

General Disclaimer

One or more of the Following Statements may affect this Document

- This document has been reproduced from the best copy furnished by the organizational source. It is being released in the interest of making available as much information as possible.
- This document may contain data, which exceeds the sheet parameters. It was furnished in this condition by the organizational source and is the best copy available.
- This document may contain tone-on-tone or color graphs, charts and/or pictures, which have been reproduced in black and white.
- This document is paginated as submitted by the original source.
- Portions of this document are not fully legible due to the historical nature of some of the material. However, it is the best reproduction available from the original submission.

Volume I

NASA CR-

144459

JSC INTERNAL NOTE NO. 75-FM-14

May 1, 1975

ELECTRICAL-POWER-SYSTEM DATA BASE
FOR CONSUMABLES ANALYSIS
VOLUME I - ELECTRICAL EQUIPMENT LIST,
ACTIVITY BLOCKS, AND TIME LINES



Guidance and Dynamics Branch
MISSION PLANNING AND ANALYSIS DIVISION
National Aeronautics and Space Administration
LYNDON B. JOHNSON SPACE CENTER
Houston, Texas

(NASA-CR-144459) ELECTRICAL-POWER-SYSTEM
DATA BASE FOR CONSUMABLES ANALYSIS. VOLUME
1: ELECTRICAL EQUIPMENT LIST, ACTIVITY
BLOCKS, AND TIME LINES (McDonnell-Douglas
Technical Services) 285 p HC \$8.75 CSCL 09C G3/33

N75-32324

Unclas
42250

JSC-09448
Volume I

JSC INTERNAL NOTE NO. 75-FM-14

SHUTTLE PROGRAM

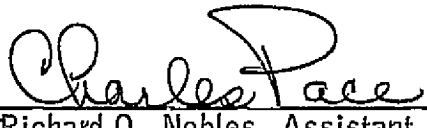
ELECTRICAL-POWER-SYSTEM DATA BASE
FOR CONSUMABLES ANALYSIS
VOLUME I - ELECTRICAL EQUIPMENT LIST,
ACTIVITY BLOCKS, AND TIME LINES

By Consumables Analysis Section
EPS Task Support Group
McDonnell Douglas Technical Services Co., Inc.
Marvin D. Pipher, MDTSCO Task Manager


May 1, 1975

MISSION PLANNING AND ANALYSIS DIVISION
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
JOHNSON SPACE CENTER
HOUSTON, TEXAS

JSC Task Manager: Samuel O. Mayfield

Approved: 

for Richard O. Nobles, Assistant Chief
Guidance and Dynamics Branch

Approved: 

Ronald L. Berry, Acting Chief
Mission Planning and Analysis Division

ACKNOWLEDGMENTS

The electrical-power-system data base has been developed primarily by M. D. Pipher, P. A. Green, D. F. Wolfgram, and J. F. Carter of the McDonnell Douglas Technical Services Company, Inc., under contract NAS 9-13970, task 1.4-7-C.

The following JSC groups were also contributors.

Power/Pyro/Sequential Section of the Electrical and Environmental Systems Branch, Flight Control Division (provided equipment utilization information, reference 5)

Flight Plan Development Section of the Flight Planning Branch, Crew Training and Procedures Division (provided assistance in defining the activity blocks)

Communications, Power, and Data Systems Branch, Avionics Systems Engineering Division (provided supplemental electrical equipment and distribution network data)

CONTENTS

Section		Page
1.0	SUMMARY	1
2.0	INTRODUCTION	1
3.0	SYMBOLS	2
4.0	EPS DATA BASE	3
	4.1 Electrical Equipment List	4
	4.2 Activity Blocks	4
	4.2.1 Definition and use	4
	4.2.2 Equipment utilization	4
5.0	ASSUMPTIONS AND LIMITATIONS	5
6.0	EPS DATA BASE UPDATE AND CONTROL PROCEDURES . . .	5
	6.1 Electrical Equipment List	6
	6.2 Activity Blocks	6
	6.3 Time Lines	6
	REFERENCES	7
	APPENDIX A - EPS DATA BASE ELECTRICAL EQUIPMENT List	A-1
	APPENDIX B - ACTIVITY BLOCKS - DEFINITION AND USE	B-1
	APPENDIX C - ACTIVITY BLOCKS - EQUIPMENT UTILIZATION	C-1
	APPENDIX D - TIME LINES	D-1

TABLES

Table		Page
A-I	EPS DATA BASE ELECTRICAL EQUIPMENT LIST (JAN. 1975)	A-5
B-I	ACTIVITY BLOCK DEFINITIONS	B-5
B-II	ACTIVITY BLOCK USAGE GUIDE	B-13
C-I	ACTIVITY BLOCKS - EQUIPMENT UTILIZATION	C-5
D-I	ACTIVITY-BLOCK TIME LINE - BASELINE REFERENCE MISSION 1	D-5
D-II	ACTIVITY-BLOCK TIME LINE - BASELINE REFERENCE MISSION 2	D-17
D-III	ACTIVITY-BLOCK TIME LINE - BASELINE REFERENCE MISSION 3A	D-31
D-IV	ACTIVITY-BLOCK TIME LINE - BASELINE REFERENCE MISSION 3B	D-35

ELECTRICAL-POWER-SYSTEM DATA BASE
FOR CONSUMABLES ANALYSIS
VOLUME I - ELECTRICAL EQUIPMENT LIST,
ACTIVITY BLOCKS, AND TIME LINES

1.0 SUMMARY

This document describes a standardized data base consisting of a space shuttle electrical equipment list, activity blocks defining electrical equipment utilization, and activity-block time lines for specific mission analyses. Information is also presented to facilitate utilization of the data base - to provide the basis for the electrical equipment utilization and to enable interpretation of analyses based on the data contained herein.

2.0 INTRODUCTION

"The October 1973 Space Shuttle Traffic Model," reference 1, indicates a potential of from 14 to 77 flights per year during the period from 1980 through 1991. The average is 60 flights per year throughout this period. This flight rate, coupled with a wide variety of payload experiments and flight options, necessitates a standardized and efficient approach to preflight consumables analyses. The electrical power system (EPS) data base document is intended to facilitate this approach.

This volume of the document consists of a space shuttle electrical equipment list, a standard set of activity blocks, and the time lines for the four NASA baseline reference missions.

Volume II of the document catalogues the data used in the development of the data base and establishes guidelines for equipment utilization in future data base development (ref. 2).

The EPS data base has also been developed as a means of providing the baseline electrical power related consumables budgets data as requested in reference 3. The reference specifies that the Mission Planning and Analysis Division (MPAD) must develop consumables budgets for the NASA reference missions, to be used in evaluating the orbiter design. As the electrical power profile is the driver for the design of many of the subsystems (e.g., the PRSD, FCP, and ATCS), baseline power profiles have been developed for each baseline reference mission. The baseline profiles will be updated and maintained to reflect the requirements of the latest vehicle design, with consideration given to operational guidelines and constraints.

This EPS data base will be maintained on a computer storage file available for access by any organization or individual having a need for the data. (Please contact the Consumables Analysis Section of the MPAD (ext. 3485) for file access information.) The computer storage file will be updated and maintained in accordance with this document.

3.0 SYMBOLS

Acronyms:

AC	Alternating Current
AF	Air Force
AMI	Airspeed Mach Indicator
APU	Auxiliary Power Unit
ATCS	Active Thermal Control System
AVVI	Altitude Vertical Velocity Indicator
BRM	Baseline Reference Mission
CRT	Cathode Ray Tube
C&W	Caution and Warning
DC	Direct Current
DFI	Development Flight Instrumentation
EEL	Electrical Equipment List
EOM	End of Mission
EPS	Electrical Power System
ET	External Tank
EVA	Extravehicular Activity
EVLSS	Extravehicular Life Support System
FA	Flight Aft
FC	Fuel Cell
FCP	Fuel Cell Powerplant
FDM	Frequency Division Multiplexer
FM	Frequency Modulation
GET	Ground Elapsed Time

GNC	Guidance Navigation and Control
GO2	Gaseous Oxygen
GSE	Ground Support Equipment
HX	Heat Exchanger
IMU	Inertial Measurement Unit
IVA	Intravehicular Activity
LA	Launch Aft
LF	Launch Forward
LG	Landing Gear
LH2	Liquid Hydrogen
LO2	Liquid Oxygen
MDM	Multiplexer/Demultiplexer
MECO	Main Engine Cutoff
MPS	Main Propulsion System
MSBLS	Microwave Scan Beam Landing System
MSS	Mission Specialist Station
NASA	National Aeronautics Space Administration
OFI	Operational Flight Instrumentation
OFT	Orbital Flight Test
OMS	Orbital Maneuvering System
OOS	Orbit-to-Orbit Shuttle
O/B	Overboard
PBD	Payload Bay Door
PCM	Pulse Code Modulation
PIC	Pyro Initiator Controller
PLB	Payload Bay
PRSD	Power Reactant Storage and Distribution
PSS	Payload Specialist Station
P/L	Payload
RCS	Reaction Control System
RDR	Radar
RF	Radio Frequency
SR	Stoproll
SRB	Solid Rocket Booster
SSME	Space Shuttle Main Engine
TACAN	Tactical Air Navigation
TD	Touchdown
TV	Television
TVC	Thrust Vector Control

4.0 EPS DATA BASE

The EPS Data Base consists of an electrical equipment list, activity blocks, and mission time lines. The electrical equipment list defines the orbiter equipment complement. The activity blocks specify the use of this equipment in a manner providing a high degree

of flexibility for construction of equipment utilization time lines for mission analyses. The time lines presented in this document are mission unique and define how the activity blocks are used to analyze the four NASA baseline reference missions.

4.1 Electrical Equipment List

The EPS data base electrical equipment list corresponds to that of reference 4. The list is presented in appendix A, table A-I.

4.2 Activity Blocks

Activity blocks may be viewed as building units from which electrical-equipment-utilization time lines may be constructed to simulate a wide variety of missions with a minimum amount of data manipulation. The activity blocks thus far developed have been defined to satisfy the requirements of the four NASA baseline reference missions while providing maximum flexibility for application to other missions. Every attempt has been made to make the activity blocks easily relatable to planned mission activities and to use electrical equipment as it will be used in actual flight. The primary information used to determine equipment utilization is contained in reference 5.

In the future, when payloads requiring orbiter electrical power are sufficiently defined, the activity block concept can easily be expanded to include them.

4.2.1 Definition and use. - Sixty activity blocks have thus far been defined for use with orbiting vehicles. These blocks are presented in appendix B. Table B-I defines the activity blocks and table B-II provides some general guidelines for their use in performing mission analyses.

4.2.2 Equipment utilization. - Electrical equipment utilization within the activity blocks is presented in appendix C, table C-I.

4.3 Time Lines

Four activity-block time lines have been developed for purposes of EPS consumables analysis. The time lines are for NASA baseline reference missions 1, 2, 3A and 3B (see refs. 6 through 9). The time lines are presented in appendix D, tables D-I through D-IV.

5.0 ASSUMPTIONS AND LIMITATIONS

The EPS data base was developed to meet the objectives of standardization, simplification, flexibility, utility, and ease of interpretation. To do so, certain decisions and assumptions were necessary. These decisions and assumptions impose limitations on the usage of the data base and the interpretation of data derived therefrom.

Enumerated below are some of the decisions and assumptions that were made in formulating the EPS data base.

1. Equipment usage within activity blocks is designed to satisfy the analysis usage requirements specified in reference 2.
2. Equipment utilization within activity blocks reflects power consumption rather than actual usage of the equipment.
3. The status of equipment in common blocks may be overridden for selected mission activities, but the status will be reestablished when those activities are terminated.
4. Power transfer internal (or termination of cryogenic replenishment) is assumed to occur ten minutes prior to lift-off for all missions.
5. The duration of touchdown to stoproll is assumed to be two minutes for all missions.
6. The period from stoproll to power transfer external is assumed to be thirteen minutes for all missions.

6.0 EPS DATA BASE UPDATE AND CONTROL PROCEDURES

The EPS data base will be updated as required, by a page change control process, to reflect the latest orbiter vehicle design and operational procedures. Updating and maintaining this data base will be controlled by the Consumables Analysis Section (CAS) of the MPAD. When updates are made, they will be published and distributed to the users.

6.1 Electrical Equipment List

The electrical equipment list is currently obtained from Rockwell International. When an electrical equipment list is received, it is compared to the preceding list and changes are noted. If those changes are significant with regard to energy requirements or could potentially result in constraints violations or operational conflicts, then the electrical equipment list will be updated at that time.

6.2 Activity Blocks

As the activity blocks have been designed to reflect the actual electrical equipment usage, updates will be made as a result of recommendations from any organization or individual that is knowledgeable about the operational procedures of the orbiter subsystems. In fact, the accuracy of the analyses that are based on these activity blocks, and that are to reflect the actual orbiter electrical energy requirements, depends directly on a careful review by all concerned individuals and their feedback to the CAS.

6.3 Time Lines

The time lines in this document were constructed from the baseline reference missions documents developed by the MPAD. These time lines will be updated when there is an update to these mission documents.

REFERENCES

1. Shuttle Utilization Planning Office, Program Development, George C. Marshall Space Flight Center: The October 1973 Space Shuttle Traffic Model, Revision 2. NASA TM X-64751, Jan. 1974.
2. Consumables Analysis Section, EPS Task Support Group, McDonnell Douglas Technical Services Company: Electrical-Power-System Data Base for Consumables Analysis, Volume II - Electrical Equipment Utilization. JSC IN 75-FM-14 (JSC-09448), May 1975.
3. MA/Manager, Space Shuttle Orbiter Project Office: Orbiter Consumables Responsibility. Memo no. EM-12-78, May 1974.
4. Rockwell-International: Electrical Equipment List, Vehicle OV103 & Subs. (Unpublished). Jan. 1975.
5. CF/Acting Chief, Flight Control Division: Shuttle Electrical Equipment List Use Notes. Memo no. CF7 (74-69), Sept. 1974.
6. Mission Planning and Analysis Division: Space Shuttle System Baseline Reference Missions, Volume I - Mission 1, Revision 1. JSC IN 73-FM-47 (JSC-07896), May 1974.
7. Mission Planning and Analysis Division: Space Shuttle System Baseline Reference Missions, Volume I - Mission 1. Revision 1. change 1. JSC IN 73-FM-47 (JSC-07896), June 1974.
8. Mission Planning and Analysis Division: Space Shuttle System Baseline Reference Missions, Volume II - Mission 2. Revision 1. JSC IN 73-FM-47 (JSC-07896), May 1974.
9. Mission Planning and Analysis Division: Space Shuttle System Baseline Reference Missions, Volume III - Mission 3A and Mission 3B. Revision 1. JSC IN 73-FM-47 (JSC-07896), May 1974.

APPENDIX A - BASELINE ELECTRICAL EQUIPMENT LIST

APPENDIX A

BASELINE ELECTRICAL EQUIPMENT LIST

The following definitions apply to the data contained within this appendix.

1. Number (eight characters).

- | | |
|-------------|---|
| 1st and 2nd | - Subsystem number |
| 3rd and 4th | - Component number |
| 5th | - Zero indicates a d.c. component, and a one indicates an a.c. component. |
| 6th | - Component counter |
| 7th | - Mode |
| 8th | - Not used |

2. Component title - Title of component (s)

3. No. equipment (two characters)

- | | |
|-----|-------------------------------------|
| 1st | - Number included in that ID number |
| 2nd | - Number used |

4. AC/DC

- AC indicates an a.c. component;
- DC indicates a d.c. component.

5. Bus identification

- | | |
|-----|---|
| 1st | <u>Power type</u>
A = a.c.
D = d.c. |
| 2nd | <u>Main bus identifiers</u>
1 = main d.c. bus A
2 = main d.c. bus B
3 = main d.c. bus C
4 = payload direct from fuel cell 3 |
| 3rd | <u>Sub-bus assignment</u>
F = forward local d.c. bus
M = midbody local d.c. bus |

PRECEDING PAGE BLANK NOT FILMED

A = aft local d.c. bus
 E = essential d.c. bus
 D = DFI d.c. bus
 L = LH D&C panel
 R = RH D&C panel
 P = payload specialist panel
 S = mission specialist station
 W = payload bus
 G = general (any other direct loads)

4th

Load classification

1 = direct to ground
 2 = return to ground
 3 = inverter or a.c.
 4 = payload
 5 = other

5th

a.c. phase description

A or B or C = 1 phase
 For 2Ø or 3Ø loads, letters consecutive

6. 28-volt power (watts) - The power consumed by a single component of that type at 28 volts d.c.

7. PF - Power factor

8. Cool code - Method by which that component is cooled.

AC	-	Cabin air cooled
A1	-	Avionics air bay #1
A2	-	Avionics air bay #2
A3	-	Avionics air bay #3
FA	-	Coldplate freon outside aft freon bays
FM	-	Coldplate freon midsection
F4	-	Coldplate freon bay #4
F5	-	Coldplate freon bay #5
F6	-	Coldplate freon bay #6
HX	-	Cabin air cooled (heat not seen in cabin)
OT	-	Structurally cooled
WC	-	Cabin coldplate water
W1	-	Coldplate water bay #1
W2	-	Coldplate water bay #2
W3	-	Coldplate water bay #3A
W4	-	Coldplate water bay #3B

TABLE A-I.- EPS DATA BASE ELECTRICAL EQUIPMENT LIST (JAN. 1975)

SYSTEM- GUIDANCE, NAVIGATION, AND FLIGHT CONTROLS

NUMBER	COMPONENT TITLE	NO. EQUIP	AC/DC	BUS IDENTIFICATION	28V PWR (WATTS)	PF	COOL CODE
01010100	IMU =1 OPERATE	1/ 1	DC	D1F2,D2F2	180.00	1.00	WC
01010110	IMU =1 STANDBY	1/ 1	DC	D1F2,D2F2	75.00	1.00	WC
01010200	IMU =2 OPERATE	1/ 1	DC	D2F2,D3F2	180.00	1.00	WC
01010210	IMU =2 STANDBY	1/ 1	DC	D2F2,D3F2	75.00	1.00	WC
01010300	IMU =3 OPERATE	1/ 1	DC	D3F2,D1F2	180.00	1.00	WC
01010310	IMU =3 STANDBY	1/ 1	DC	D3F2,D1F2	75.00	1.00	WC
01030100	STAR TRKER + LT SHLD =1	1/ 1	DC	D1R2	23.00	1.00	OT
01030200	STAR TRKER + LT SHLD =2	1/ 1	DC	D2R2	23.00	1.00	OT
01030300	STAR TRKER + LT SHLD =3	1/ 1	DC	D3R2	23.00	1.00	OT
01040100	AIR DATA XDCR ASSY =1	1/ 1	DC	D1R2	54.00	1.00	A1
01040200	AIR DATA XDCR ASSY =2	1/ 1	DC	D2R2	54.00	1.00	A2
01040300	AIR DATA XDCR ASSY =3	1/ 1	DC	D3R2	54.00	1.00	A1
01040400	AIR DATA XDCR ASSY =4	1/ 1	DC	D3R2	54.00	1.00	A2
01050100	RATE GYRO ASSY - AFT =1	1/ 1	DC	D1A2	23.00	1.00	FA
01050200	RATE GYRO ASSY - AFT =2	1/ 1	DC	D2A2	23.00	1.00	FA
01050300	RATE GYRO ASSY - AFT =3	1/ 1	DC	D3A2	23.00	1.00	FA
01080100	ASCENT TVC DRVR =1 - AFT	1/ 1	DC	D1A2,D2A2	94.50	1.00	F4
01080200	ASCENT TVC DRVR =2 - AFT	1/ 1	DC	D2A2,D3A2	94.50	1.00	F5
01080300	ASCENT TVC DRVR =3 - AFT	1/ 1	DC	D3A2,D1A2	94.50	1.00	F6
01090100	AERO SRF SRV AMP =1-AFT	1/ 1	DC	D1A2,D2A2	116.00	1.00	F4
01090200	AERO SRF SRV AMP =2-AFT	1/ 1	DC	D2A2,D3A2	116.00	1.00	F5
01090300	AERO SRF SRV AM =3+4-AFT	2/ 2	DC	D3A2,D1A2	116.00	1.00	F6
01110100	REACTION JET DRVR =1 FWD	1/ 1	DC	D1F2,D2F2	54.50	1.00	W1
01110200	REACTION JET DRVR =2 FWD	1/ 1	DC	D3F2,D1F2	54.50	1.00	W2
01120100	REACT JET OMS DRVR=1-AFT	1/ 1	DC	D1A2,D2A2	146.60	1.00	F4
01120200	REACT JET OMS DRVR=2-AFT	1/ 1	DC	D3A2,D1A2	146.60	1.00	F6
01140100	ACCELEROMETER ASSY-FWD=1	1/ 1	DC	D1R2	2.70	1.00	A1
01140200	ACCELEROMETER ASSY-FWD=2	1/ 1	DC	D2R2	2.70	1.00	A2
01140300	ACCELEROMETER ASSY-FWD=3	1/ 1	DC	D3R2	2.70	1.00	A3

TABLE A-I.- EPS DATA BASE ELECTRICAL EQUIPMENT LIST (JAN. 1975) - CONTINUED

SYSTEM- GUIDANCE, NAVIGATION, AND FLIGHT CONTROLS

NUMBER	COMPONENT TITLE	NO. EQUIP	AC/DC	BUS IDENTIFICATION	28V PWR (WATTS)	PF	COOL CODE
01160100	TRANS HAND CONTROL-RH	1/ 1	DC	D1R2,D2R2,D3R2	3.80	1.00	AC
01160200	TRANS HAND CONTROL-LH	1/ 1	DC	D1L2,D2L2,D3L2	3.80	1.00	AC
01170100	ROT HAND CONTROL-RH	1/ 1	DC	D1R2,D2R2,D3R2	7.10	1.00	AC
01170200	ROT HAND CONTROL-LH	1/ 1	DC	D1L2,D2L2,D3L2	7.10	1.00	AC
01170300	ROT HAND CONTROL-PSS	1/ 1	DC	D1S2,D2S2,D3S2	7.10	1.00	AC
01180100	RUDDER PEDAL XDCR ASY-RH	1/ 1	DC	D1R2,D2R2,D3R2	1.30	1.00	AC
01180200	RUDDER PEDAL XDCR ASY-LH	1/ 1	DC	D1L2,D2L2,D3L2	1.30	1.00	AC
01190100	SPEED BRK THRUST CNTL-RH	1/ 1	DC	D1R2,D2R2,D3R2	2.50	1.00	AC
01190200	SPEED BRK THRUST CNTL-LH	1/ 1	DC	D1L2,D2L2,D3L2	2.50	1.00	AC

TABLE A-I.- EPS DATA BASE ELECTRICAL EQUIPMENT LIST (JAN. 1975) - CONTINUED

SYSTEM- COMMUNICATIONS

NUMBER	COMPONENT TITLE	NO. EQUIP	AC/DC	BUS IDENTIFICATION	28V PWR (WATTS)	PF	COOL CODE
02010100	B + W TV MONITOR =1	1/ 1	DC	D1P2	20.00	1.00	AC
02010200	B + W TV MONITOR =2	1/ 1	DC	D2S2	20.00	1.00	AC
02020000	TV REMOTE CONTRCL	1/ 1	DC	D2S2	5.00	1.00	AC
02030000	TV CAMERA COLOR + MCNTR	1/ 1	DC	D2S2	20.00	1.00	AC
02040100	TV CAMERA B+W =1	1/ 1	DC	D1S2	12.50	1.00	OT
02040200	TV CAMERA B+W =2	1/ 1	DC	D1S2	12.50	1.00	OT
02040300	TV CAMERA B+W =3	1/ 1	DC	D2S2	12.50	1.00	OT
02040400	TV CAMERA B+W =4 KIT	1/ 1	DC	D2S2	12.50	1.00	OT
02050100	PAN TILT ASSY =1	1/ 1	DC	D1P2	19.25	1.00	OT
02050200	PAN TILT ASSY =2	1/ 1	DC	D2S2	19.25	1.00	OT
02070000	VIDEO SWITCHING NETWORK	1/ 1	DC	D1P2	5.00	1.00	AC
02080100	NETWORK SIG PROCESSOR =1	1/ 1	DC	D2S2	24.00	1.00	W3
02080200	NETWORK SIG PROCESSOR =2	1/ 1	DC	D3S2	24.00	1.00	W3
02100100	CNTRL CNTL UNIT AUDIO	1/ 1	DC	D1R2	34.00	1.00	W1
02110100	S-BAND FM XMTR =1	1/ 1	DC	D1R2	128.00	1.00	W3
02110200	S-BAND FM XMTR =2	1/ 1	DC	D2R2	128.00	1.00	W3
02120000	S-BAND FM SIGNAL PROC	1/ 1	DC	D1R2,D2R2	10.00	1.00	A3
02130100	S-BAND TRANSPONDER =1	1/ 1	DC	D2R2	15.00	1.00	W3
02130200	S-BAND TRANSPONDRR =2	1/ 1	DC	D2R2	15.00	1.00	W3
02140000	S- BAND POWER AMP ASSY	1/ 1	DC	D2F2	400.00	1.00	W3
02150000	S-BAND PRE AMP ASSY	1/ 1	DC	D2R2	25.00	1.00	W3
02160000	S-BAND ANT SW ASSY	1/ 1	DC	D2R2,D3R2	.60	1.00	A3
02170100	TACAN =1	1/ 1	AC	A1F3C	150.00		A1
02170200	TACAN =2	1/ 1	AC	A2F3C	150.00		A2
02170300	TACAN =3	1/ 1	AC	A3F3C	150.00		A3
02180000	S-BAND SWITCH COAXIAL	1/ 1	AC	A2F3A	.60		A2
02190100	MSBLS DECODER ASSMBLY =1	1/ 1	DC	D1R2	78.00	1.00	A1
02190200	MSBLS DECODER ASSMBLY =2	1/ 1	DC	D2R2	78.00	1.00	A2
02190300	MSBLS DECODER ASSMBLY =3	1/ 1	DC	D3R2	78.00	1.00	A2

TABLE A-I.-- EPS DATA BASE ELECTRICAL EQUIPMENT LIST (JAN. 1975) - CONTINUED

SYSTEM- COMMUNICATIONS

NUMBER	COMPONENT TITLE	NO. EQUIP	AC/DC	BUS IDENTIFICATION	28V PWR (WATTS)	PF	COOL CODE
02200100	MSBLS RF ASSY =1	1/ 1	DC	D1R2	22.00	1.00	A1
02200200	MSBLS RF ASSY =2	1/ 1	DC	D2R2	22.00	1.00	A2
02200300	MSBLS RF ASSY =3	1/ 1	DC	D3R2	22.00	1.00	A2
02210100	RADAR ALTIMETER =1	1/ 1	DC	D1R2	37.50	1.00	W1
02210200	RADAR ALTIMETER =2	1/ 1	DC	D2R2	37.50	1.00	W2
02280100	COMSEC UNIT AF =1	1/ 1	DC	D1P2	35.00	1.00	W2
02280200	COMSEC UNIT AF =2	1/ 1	DC	D3P2	35.00	1.00	W2
02280300	COMSEC UNIT AF =3 + =4	2/ 2	DC	D3P2	35.00	1.00	W3
02300100	P/L INTERG- AF+NASA =1	1/ 1	DC	D2P2	30.00	1.00	W2
02300200	P/L INTERG- AF+NASA =2	1/ 1	DC	D3P2	30.00	1.00	W2
02310100	PAYLOAD SIG PROCESSOR =1	1/ 1	DC	D2P2	17.00	1.00	W2
02310200	PAYLOAD SIG PROCESSOR =2	1/ 1	DC	D3P2	17.00	1.00	W2
02390100	DOPPLER EXTRACTOR =1	1/ 1	DC	D2R2	10.00	1.00	A3
02390200	DOPPLER EXTRACTOR =2	1/ 1	DC	D3R2	10.00	1.00	A3
02420100	AUDIO TERM UNIT - PILOT	1/ 1	DC	D1R2	5.00	1.00	AC
02420200	AUDIO TERM UNIT - CMDR	1/ 1	DC	D1R2	5.00	1.00	AC
02420300	AUDIO TERM UNIT - MSS	1/ 1	DC	D1S2	5.00	1.00	AC
02420400	AUDIO TERM UNIT - PSS	1/ 1	DC	D1S2	5.00	1.00	AC
02420500	AUDIO TERM UNIT - EVA	1/ 1	DC	D3S2	5.00	1.00	AC
02420600	AUDIO TERM UNIT - P/L	1/ 1	DC	D2S2	5.00	1.00	AC
02420700	AUDIO TERM UNIT - MID =1	1/ 1	DC	D2S2	5.00	1.00	AC
02420800	AUDIO TERM UNIT - MID =2	1/ 1	DC	D3S2	5.00	1.00	AC
02420900	AUDIO TERM UNIT - AIRLCK	1/ 1	DC	D3S2	5.00	1.00	AC
02470100	SPEAKER MIKE ASSY - =1	1/ 1	DC	D1R2	4.00	1.00	AC
02470200	SPEAKER MIKE ASSY - =2	1/ 1	DC	D2R2	4.00	1.00	AC
02501100	KU-BD RDR/COM A EL ASY=1	1/ 1	DC	D2R2	80.00	1.00	W3
02501200	KU-BD RDR/COM A EL ASY=2	1/ 1	DC	D3R2	80.00	1.00	W3
02502100	KU-BD RDR/COM A EL ASY=1	1/ 1	AC	A3F3C	10.00		W3
02502200	KU-BD RDR/COM A EL ASY=2	1/ 1	AC	A2F3C	10.00		W3

TABLE A-I.- EPS DATA BASE ELECTRICAL EQUIPMENT LIST (JAN. 1975) - CONTINUED

SYSTEM- COMMUNICATIONS

NUMBER	COMPONENT TITLE	NO. EQUIP	AC/DC	BUS IDENTIFICATION	28V PWR (WATTS)	PF	COOL CODE
02511100	KU-BD COMM B ELEC ASY =1	1/ 1	DC	D2R2	50.00	1.00	W4
02511200	KU-BD COMM B ELEC ASY =2	1/ 1	DC	D3R2	50.00	1.00	W4
02512100	KU-BD COMM B ELEC ASY =1	1/ 1	AC	A3F3C	10.00		W4
02512200	KU-BD COMM B ELEC ASY =2	1/ 1	AC	A2F3C	10.00		W4
02521000	KU-BD RDR/COMM A DPY ASY	1/ 1	DC	D2R1	50.00	1.00	OT
02522000	KU-BD RDR/COMM A DPY ASY	1/ 1	AC	A2F3C	395.00		OT
02531000	KU-BC COMM B DPLY ASSY	1/ 1	DC	D3R1	85.00	1.00	OT
02532000	KU-BD COMM B DPLY ASSY	1/ 1	AC	A2F3C	235.00		OT
02540000	KU-BND SIG PROCESSOR	1/ 1	DC	D3R2	15.00	1.00	W3
02560000	EVA/ATC TRANSCEIVER -EVA	1/ 1	DC	D1M1	150.00	1.00	W1
02560010	EVA/ATC TRANS - RECEIVE	1/ 1	DC	D1M1	30.00	1.00	W1
02560020	EVA/ATC TRANSCEIVER-XMIT	1/ 1	DC	D1M1	90.00	1.00	W1

TABLE A-I.- EPS DATA BASE ELECTRICAL EQUIPMENT LIST (JAN. 1975) - CONTINUED

SYSTEM- DISPLAYS AND CONTROLS

NUMBER	COMPONENT TITLE	NO. EQUIP	AC/DC	BUS IDENTIFICATION	28V PWR (WATTS)	PF	COOL CODE
03010100	ATTITUDE DIR IND-FWD RH	1/ 1	DC	D2R2,D3R2	14.60	1.00	AC
03010200	ATTITUDE DIR IND-FWD LH	1/ 1	DC	D2L2,D3L2	14.60	1.00	AC
03010300	ATTITUDE DIR IND-AFT MSS	1/ 1	DC	D3S2,D2S2	14.60	1.00	AC
03020100	HORIZ SITUATION IND =1	1/ 1	DC	D3L2	35.00	1.00	AC
03020200	HORIZ SITUATION IND =2	1/ 1	DC	D1R2	35.00	1.00	AC
03030100	AS/MACH INDICATOR =1	1/ 1	DC	D3L2	20.00	1.00	AC
03030200	AS/MACH INDICATOR =2	1/ 1	DC	D1R2	20.00	1.00	AC
03040100	AS/MACH ELEC UNIT =1	1/ 1	DC	D3L2	20.00	1.00	HX
03040200	AS/MACH ELEC UNIT =2	1/ 1	DC	D1R2	20.00	1.00	HX
03050100	ALT VERT VEL IND =1	1/ 1	DC	D3L2	20.00	1.00	AC
03050200	ALT VERT VEL IND =2	1/ 1	DC	D1R2	20.00	1.00	AC
03060100	ALT VER VEL ELEC UNIT =1	1/ 1	DC	D3L2	20.00	1.00	HX
03060200	ALT VER VEL ELEC UNIT =2	1/ 1	DC	D1R2	20.00	1.00	HX
03070100	TAPE METER ASC-ENT	1/ 1	DC	D1R2	6.00	1.00	AC
03070200	TAPE METER ASC	2/ 2	DC	D1L2	6.00	1.00	AC
03070300	TAPE METERS ASC-ENT	3/ 3	DC	D1R2	9.00	1.00	AC
03070400	TAPE METER ASC	1/ 1	DC	D1L2	9.00	1.00	AC
03070500	TAPE METER ASC	1/ 1	DC	D1L2	12.00	1.00	AC
03120000	CROSS POINTER INDICATOR	1/ 1	DC	D1L2	2.00	1.00	AC
03130000	SURF POSITION IND	1/ 1	DC	D3L2	19.00	1.00	AC
03140000	OMS/RCS PROP QTY IND	1/ 1	DC	D1R2	6.00	1.00	AC
03150000	CAUT + WARNING UNIT	1/ 1	DC	D1E2,D2E2	30.00	1.00	A3
03170100	MISSION TIMER =1	1/ 1	DC	D1L2	4.00	1.00	AC
03170200	MISSION TIMER =2	1/ 1	DC	D2P2	4.00	1.00	AC
03180100	EVENT TIMER =1	1/ 1	DC	D1L2	4.00	1.00	AC
03180200	EVENT TIMER =2	1/ 1	DC	D3P2	4.00	1.00	AC
03220100	DISP DRVR UNIT-CRW FWD=1	1/ 1	DC	D2L2,D3L2	120.00	1.00	HX
03220200	DISP DRVR UNIT-CRW FWD=2	1/ 1	DC	D2R2,D3R2	120.00	1.00	HX
03220300	DISP DRVR UNIT-CRW AFT=3	1/ 1	DC	D3S2,D2S2	120.00	1.00	HX

TABLE A-I.- EPS DATA BASE ELECTRICAL EQUIPMENT LIST (JAN. 1975) - CONTINUED

SYSTEM- DISPLAYS AND CONTROLS

NUMBER	COMPONENT TITLE	NO. EQUIP	AC/DC	BUS IDENTIFICATION	28V PWR (WATTS)	PF	COOL CODE
03250100	MANIP HAND CNTLLER =1	1/ 1	DC	D3P2	8.00	1.00	AC
03250200	MANIP HAND CNTLLER =2 KT	1/ 1	DC	D3P2	8.00	1.00	AC
03260000	PUSHBUTTON SW MSTR ALARM	4/ 4	DC	D1R2	2.00	1.00	AC
03270100	CRT DISPLAY UNIT =1	1/ 1	DC	D1L2	90.00	1.00	HX
03270200	CRT DISPLAY UNIT =2	1/ 1	DC	D2R2	90.00	1.00	HX
03270300	CRT DISPLAY UNIT =3	1/ 1	DC	D3L2	90.00	1.00	HX
03270400	CRT DISPLAY UNIT =4	1/ 1	DC	D3S2	90.00	1.00	HX
03280100	DISPLAY ELECT UNIT =1	1/ 1	DC	D1L2	207.30	1.00	HX
03280200	DISPLAY ELECT UNIT =2	1/ 1	DC	D2R2	207.30	1.00	HX
03280300	DISPLAY ELECT UNIT =3	1/ 1	DC	D3L2	207.30	1.00	HX
03280400	DISPLAY ELECT UNIT =4	1/ 1	DC	D3S2	207.30	1.00	HX
03310100	INTEGRAL LIGHTS-LEFT/CTR	1/ 1	AC	A1F3B	170.43		AC
03310200	INTEGRAL LIGHTS-OVHD	1/ 1	AC	A1F3B	170.43		AC
03310300	INTEGRAL LIGHTS-RIGHT	1/ 1	AC	A3F3B	170.43		AC
03310400	INTEGRAL LIGHTS-REAR	1/ 1	AC	A3F3C	170.43		AC
03350100	MID DECK FLOOD LT--=1,5,8	3/ 3	DC	D1R2	15.00	1.00	AC
03350200	MID DECK FLOOD LT--=2,3,6	3/ 3	DC	D2R2	15.00	1.00	AC
03350300	MID DECK FLOOD LT--=4,7,9	3/ 3	DC	D2R2	15.00	1.00	AC
03360000	MID DECK SLEEP STA LIGHT	4/ 4	DC	D3R2	15.00	1.00	AC
03370100	MID DECK FLOOD LT -PANEL	1/ 1	DC	D1R2	6.00	1.00	AC
03370200	MID DECK FLOOD LT -PANEL	1/ 1	DC	D2R2	6.00	1.00	AC
03380000	MID DECK WASTE MGMT LTS	2/ 2	DC	D2R2	15.00	1.00	AC
03410000	AIRLOCK LIGHTS	3/ 3	DC	D3R2	133.33	1.00	AC
03420100	CABIN FLOOD LIGHTS AFT	2/ 2	DC	D1R2	30.00	1.00	AC
03420200	GLARESHIELD FLDLTS -LEFT	1/ 1	DC	D1E2	30.00	1.00	AC
03420300	GLARESHIELD FLDLTS -RGHT	1/ 1	DC	D3E2	30.00	1.00	AC
03420400	CENTER CONSOLE FLOODLT	1/ 1	DC	D1R2	15.00	1.00	AC
03420500	CENTER CONSOLE FLOODLT	1/ 1	DC	D1R2	15.00	1.00	AC
03420600	PILOT CONSOLE FLDLT -LFT	1/ 1	DC	D3R2	15.00	1.00	AC

TABLE A-I.- EPS DATA BASE ELECTRICAL EQUIPMENT LIST (JAN. 1975) - CONTINUED

SYSTEM- DISPLAYS AND CONTROLS

NUMBER	COMPONENT TITLE	NO. EQUIP	AC/DC	BUS IDENTIFICATION	28V PWR (WATTS)	PF	COOL CODE
03420700	PILOT CONSOLE FLBLT -RHT	1/ 1	DC	D2R2	15.00	1.00	AC
03430000	REAR STA LTS - PSS/MSS	2/ 2	DC	D3R2	30.00	1.00	AC
03490000	PAYLOAD BAY FLOOD LTS	6/ 6	DC	D3S2	200.00	1.00	OT
03500100	MANIPULATOR SPOT LT	1/ 1	DC	D3S2	100.00	1.00	OT
03500200	MANIPULATOR SPOT LT KIT	1/ 1	DC	D3S2	100.00	1.00	OT
03510000	RENDEZVOUS LIGHT	1/ 1	DC	D1S2	130.00	1.00	OT
03540000	DOCKING SPOT LIGHTS	2/ 2	DC	D1S2	100.00	1.00	OT
03550000	C+W STATUS DISPLAY	1/ 1	DC	D2E2	20.00	1.00	AC
03560000	C+W ANNUNCIATOR ASSY-OPR	1/ 1	DC	D1E2	24.00	1.00	AC
03560010	C+W ANNUN ASSY - QUIESCT	1/ 1	DC	D2E2	2.00	1.00	AC
03720000	COMPUTER STATUS IND LTS	1/ 1	DC	D2E2	5.00	1.00	AC
03730100	ANNUNCIATOR LTS-LEFT/CTR	1/ 1	AC	A1F3A	53.13		AC
03730200	ANNUNCIATOR LTS-COVERHEAD	1/ 1	AC	A3F3B	53.13		AC
03730300	ANNUNCIATOR LTS-RIGHT	1/ 1	AC	A2F3C	53.13		AC
03730400	ANNUNCIATOR LTS-REAR	1/ 1	AC	A3F3C	53.13		AC

TABLE A-I.- EPS DATA BASE ELECTRICAL EQUIPMENT LIST (JAN. 1975) - CONTINUED
SYSTEM- OPERATIONAL FLIGHT INSTRUMENTATION

NUMBER	COMPONENT TITLE	NO. EQUIP	AC/DC	BUS IDENTIFICATION	28V PWR (WATTS)	PF	COOL CODE
04030100	PCM MASTER UNIT DACBU =1	1/ 1	DC	D1F2,D2F2	75.00	1.00	W2
04030200	PCM MASTER UNIT DACBU =2	1/ 1	DC	D3F2,D1F2	75.00	1.00	W3
04040000	MAINTENANCE RECORDER	1/ 1	DC	D1L2	40.00	1.00	W2
04050100	SIG COND UNIT-FWD =1	1/ 1	DC	D1L2,D2L2	35.00	1.00	W1
04050200	SIG COND UNIT-FWD =2	1/ 1	DC	D2L2,D3L2	35.00	1.00	W2
04050300	SIG COND UNIT-FWD =3	1/ 1	DC	D3L2,D1L2	35.00	1.00	W3
04060100	SIG COND UNIT =1 - AFT	1/ 1	DC	D1A2,D2A2	35.00	1.00	F4
04060200	SIG COND UNIT =2 - AFT	1/ 1	DC	D2A2,D3A2	35.00	1.00	F5
04060300	SIG COND UNIT =3 - AFT	1/ 1	DC	D3A2,D1A2	35.00	1.00	F6
04070000	LOOP RECORDER	1/ 1	DC	D1L2	40.00	1.00	W2
04090000	MASTER TIMING UNIT-WMJP	1/ 1	DC	D1E2	40.00	1.00	W1
04090010	MASTER TIMING UNIT-OPR	1/ 1	DC	D1E2	26.00	1.00	W1
04110000	PAYLOAD DATA INTERLEAVER	1/ 1	DC	D3L2,D1L2	30.00	1.00	W2
04120100	SIG COND UNIT-QMS/RCS =1	1/ 1	DC	D1A2,D2A2	35.00	1.00	OT
04120200	SIG COND UNIT-QMS/RCS =2	1/ 1	DC	D2A2,D3A2	35.00	1.00	OT
04130000	SIG COND UNIT - MID FUS	1/ 1	DC	D1M2,D2M2	35.00	1.00	OT
04140000	SIG COND UNIT-FWD RCS	1/ 1	DC	D2L2,D3L2	35.00	1.00	OT
04160000	WIDE BAND SIG COND BAY4	4/ 4	DC	D1A2	.60	1.00	OT
04170000	WIDE BAND SIG COND BAY5	2/ 2	DC	D2A2	.60	1.00	OT

TABLE A-I.- EPS DATA BASE ELECTRICAL EQUIPMENT LIST (JAN. 1975) - CONTINUED
SYSTEM- ELECTRICAL POWER DISTRIBUTION AND CONTROL

NUMBER	COMPONENT TITLE	NO. EQUIP	AC/DC	BUS IDENTIFICATION	28V PWR (WATTS)	PF	COOL CODE
06010100	INVERTERS 1PH,750VA,8J(	3/ 3	LC	D1F2	.00	1.00	W1
06010200	INVERTERS 1PH,750VA,80(	3/ 3	DC	D2F2	.00	1.00	W2
06010300	INVERTERS 1PH,750VA,80(	3/ 3	DC	D3F2	.00	1.00	W3
06020100	PYRO EVENT CNTLR -FWD =1	1/ 1	DC	D1R2,D2R2	25.00	1.00	W1
06020200	PYRO EVENT CNTLR -FWD =2	1/ 1	DC	D2R2,D3R2	25.00	1.00	W4
06030100	MASTER EVENT CNTLR-AFT=1	1/ 1	DC	D1R2,D2R2	25.00	1.00	F4
06030200	MASTER EVENT CNTLR-AFT=2	1/ 1	DC	D2R2,D3R2	25.00	1.00	F5
06040100	LOAD CNTLR ASSY-FWD =1	1/ 1	DC	D1F2	90.00	1.00	W1
06040200	LOAD CNTLR ASSY-FWD =2	1/ 1	DC	D2F2	90.00	1.00	W2
06040300	LOAD CNTLR ASSY-FWD =3	1/ 1	DC	D3F2	90.00	1.00	W3
06050100	LOAD CNTLR ASSY-AFT =1	1/ 1	DC	D1A2	90.00	1.00	F4
06050200	LOAD CNTLR ASSY-AFT =2	1/ 1	DC	D2A2	90.00	1.00	F5
06050300	LOAD CNTLR ASSY-AFT =3	1/ 1	DC	D3A2	90.00	1.00	F6
06060100	DC PWR CNTLR ASSY-FWD =1	1/ 1	DC	D1F2	260.00	1.00	W1
06060200	DC PWR CNTLR ASSY-FWD =2	1/ 1	DC	D2F2	260.00	1.00	W2
06060300	DC PWR CNTLR ASSY-FWD =3	1/ 1	DC	D3F2	260.00	1.00	W3
06070100	DC PWR CNTLR ASSY-AFT =1	1/ 1	DC	D1A2	123.00	1.00	F4
06070200	DC PWR CNTLR ASSY-AFT =2	1/ 1	DC	D2A2	123.00	1.00	F5
06070300	DC PWR CNTLR ASSY-AFT =3	1/ 1	DC	D3A2	123.00	1.00	F6
06080100	MAIN DC DIST+CNTRL ASSY=1	1/ 1	DC	D1M2	100.00	1.00	FM
06080200	MAIN DC DIST+CNTRL ASSY=2	1/ 1	DC	D2M2	100.00	1.00	FM
06080300	MAIN DC DIST+CNTRL ASSY=3	1/ 1	DC	D3M2	100.00	1.00	FM
06101100	INV DIST + CNTRL ASSY =1	1/ 1	DC	D1E2	5.00	1.00	W1
06101200	INV DIST + CNTRL ASSY =2	1/ 1	DC	D2E2	5.00	1.00	W2
06101300	INV DIST + CNTRL ASSY =3	1/ 1	DC	D3E2	5.00	1.00	W3
06102100	INV DIST + CNTRL ASSY =1	1/ 1	AC	A1F3A,A1F3B,A1F3C	3.00		W1
06102200	INV DIST + CNTRL ASSY =2	1/ 1	AC	A2F3A,A2F3B,A2F3C	3.00		W2
06102300	INV DIST + CNTRL ASSY =3	1/ 1	AC	A3F3A,A3F3B,A3F3C	3.00		W3
06120100	DC PWR CNTRL ASSY-MID =1	1/ 1	DC	D1M2	20.00	1.00	FM

TABLE A-I.- FPS DATA BASE ELECTRICAL EQUIPMENT LIST (JAN. 1975) - CONTINUED
SYSTEM- ELECTRICAL POWER DISTRIBUTION AND CONTROL

NUMBER	COMPONENT TITLE	NO. EQUIP	AC/DC	BUS IDENTIFICATION	28V PWR (WATTS)	PF	COOL CODE
06120200	DC PWR CNTL ASSY-MID =2	1/ 1	DC	D2M2	20.00	1.00	FM
06120300	DC PWR CNTL ASSY-MID =3	1/ 1	DC	D3M2	45.00	1.00	FM
06160000	EVLSS PWR SUPPLY/BAT CHG	1/ 1	DC	D3S1	45.00	1.00	W3
06190100	H2/O2 CRYO CNTL ASSY =1	1/ 1	DC	D1M2,D2M2	30.00	1.00	FM
06190200	H2/O2 CRYO CNTL ASSY =2	1/ 1	DC	D1M2,D2M2	30.00	1.00	FM
06190300	H2/O2 CRYO CNTL ASSY KIT	1/ 1	DC	D1M2,D2M2	30.00	1.00	FM
06200100	PROXIMITY SWITCH ELFC =1	1/ 1	AC	A3F3A	8.00		A2
06200200	PROXIMITY SWITCH ELFC =2	1/ 1	AC	A2F3A	8.00		A3
06210100	MOTOR CNTL ASSY -FWD =1	1/ 1	DC	D1F2	110.00	1.00	A1
06210200	MOTOR CNTL ASSY -FWD =2	1/ 1	DC	D2F2	120.00	1.00	A1
06210300	MOTOR CNTL ASSY -FWD =3	1/ 1	DC	D3F2	110.00	1.00	A2
06220100	MOTOR CNTL ASSY -MID =1	1/ 1	DC	D1M2	330.00	1.00	FM
06220200	MOTOR CNTL ASSY -MID =2	1/ 1	DC	D2M2	325.00	1.00	FM
06220300	MOTOR CNTL ASSY -MID =3	1/ 1	DC	D3M2	330.00	1.00	FM
06230100	MOTOR CNTL ASSY -AFT =1	1/ 1	DC	D1A2	245.00	1.00	F4
06230200	MOTOR CNTL ASSY -AFT =2	1/ 1	DC	D2A2	265.00	1.00	F5
06230300	MOTOR CNTL ASSY -AFT =3	1/ 1	DC	D3A2	295.00	1.00	F6

TABLE A-1.- EPS DATA BASE ELECTRICAL EQUIPMENT LIST (JAN. 1975) - CONTINUED

SYSTEM- DATA PROCESSING

NUMBER	COMPONENT TITLE	NO. EQUIP	AC/DC	BUS IDENTIFICATION	28V PWR (WATTS)	PF	COOL CODE
07010100	COMPUTER =1	1/ 1	DC	01F2,D2F2,D3F2	650.00	1.00	A1
07010200	COMPUTER =2	1/ 1	DC	01F2,D2F2,D3F2	650.00	1.00	A2
07010300	COMPUTER =3	1/ 1	DC	01F2,D2F2,D3F2	650.00	1.00	A3
07010400	COMPUTER =4	1/ 1	DC	01F2,D2F2,D3F2	650.00	1.00	A1
07010500	COMPUTER =5	1/ 1	DC	01F2,D2F2,D3F2	650.00	1.00	A2
07030100	MDM FF1	1/ 1	DC	01F2,D2F2	40.00	1.00	W1
07030200	MDM FF2	1/ 1	DC	02F2,D3F2	40.00	1.00	W2
07030300	MDM FF3	1/ 1	DC	03F2,D1F2	40.00	1.00	W3
07030400	MDM FF4	1/ 1	DC	02F2,D3F2	40.00	1.00	W2
07040100	MDM FA1	1/ 1	DC	01A2,D2A2	40.00	1.00	F4
07040200	MDM FA2	1/ 1	DC	02A2,D3A2	40.00	1.00	F5
07040300	MDM FA3 + FA4	2/ 2	DC	03A2,D1A2	40.00	1.00	F6
07090100	MASS MEM=1 TAPE OPER	1/ 1	DC	01R2	53.00	1.00	W1
07090110	MASS MEM=1 TAPE STBY	1/ 1	DC	01R2	8.00	1.00	W1
07090200	MASS MEM=2 TAPE OPER	1/ 1	DC	02R2	53.00	1.00	W2
07090210	MASS MEM=2 TAPE STBY	1/ 1	DC	02R2	8.00	1.00	W2
07100100	MDM OFI 1	1/ 1	DC	01L2,D2L2	40.00	1.00	W1
07100200	MDM OFI 2	1/ 1	DC	01L2,D2L2	40.00	1.00	W2
07100300	MDM OFI 3	1/ 1	DC	02L2,D3L2	40.00	1.00	W3
07100400	MDM OFI 4	1/ 1	DC	02L2,D3L2	40.00	1.00	W3
07110100	MDM OAI-1	1/ 1	DC	01A2,D2A2	40.00	1.00	F4
07110200	MDM OAI-2	1/ 1	DC	02A2,D3A2	40.00	1.00	F5
07110300	MDM OAI-3	1/ 1	DC	03A2,D1A2	40.00	1.00	F6
07120000	MDM LA-1 GSE	1/ 1	DC	01G2,D2G2	40.00	1.00	W1
07130000	MDM LA-1 GSE	1/ 1	DC	01G2,D2G2	40.00	1.00	F6
07150100	ENG INTERFACE UNIT =1	1/ 1	DC	01A2,D2A2	50.60	1.00	F4
07150200	ENG INTERFACE UNIT =2	1/ 1	DC	02A2,D3A2	50.60	1.00	F5
07150300	ENG INTERFACE UNIT =3	1/ 1	DC	03A2,D1A2	50.60	1.00	F6
07160100	DATA BUS ISC AMP =1 GSE	1/ 1	DC	01G2	24.00	1.00	F4

TABLE A-I.- EPS DATA BASE ELECTRICAL EQUIPMENT LIST (JAN. 1975) - CONTINUED

SYSTEM- DATA PROCESSING

NUMBER	COMPONENT TITLE	NU. EQUIP	AC/DC	BUS IDENTIFICATION	28V PWR (WATTS)	PF	COOL CODE
C7160110	DATA BUS ISC AMP =1 ORR	1/ 1	DC	D1A1	20.00	1.00	F4
07160200	DATA BUS ISC AMP =2 GSE	1/ 1	DC	D2G2	24.00	1.00	F5
07160210	DATA BUS ISC AMP =2 ORB	1/ 1	DC	D2A1	20.00	1.00	F5

TABLE A-I.- EPS DATA BASE ELECTRICAL EQUIPMENT LIST (JAN. 1975) - CONTINUED

SYSTEM- PAYLOAD MANAGEMENT

NUMBER	COMPONENT TITLE	NO. EQUIP	AC/DC	BUS IDENTIFICATION	28V PWR (WATTS)	PF	COOL CODE
08010100	MDM PF 1	1/ 1	DC	D2F2,D3F2	40.00	1.00	W3
08010200	MDM PF 2	1/ 1	DC	D1F2,D2F2	40.00	1.00	W2
08020000	WIDE BAND RECORDER MSS	1/ 1	DC	D3P2	175.00	1.00	W1
08030000	PCM RECORDER MSS	1/ 1	DC	D3P2	40.00	1.00	W1
08040000	P/L - ASCENT/ENTRY	1/ 1	DC	D3M2	961.50	1.00	OT
08040100	P/L - SORTIE	1/ 1	DC	D3M2	5769.20	1.00	OT
08050000	AUX C+W UNIT MSS	1/ 1	DC	D3W2	10.00	1.00	AC
08060000	AUX C+W ANNUN ASSY MSS	1/ 1	DC	D3W2	15.00	1.00	AC

TABLE A-I.- EPS DATA BASE ELECTRICAL EQUIPMENT LIST (JAN. 1975) - CONTINUED

SYSTEM- SOLID ROCKET BOOSTER

NUMBFR	COMPONENT TITLE	NO. EQUIP	AC/DC	BUS IDENTIFICATION	28V PWR (WATTS)	PF	COOL CODE
16010100	RATE GYRO ASSY	3/ 3	DC	D2A1	42.00	1.00	OT
16010200	RATE GYRO ASSY	3/ 3	DC	D3A1	42.00	1.00	OT
16020100	MDM - SET 1	2/ 2	DC	D2A1	15.00	1.00	OT
16020200	MDM - SET 2	2/ 2	DC	D3A1	15.00	1.00	OT
16050100	PIC IGNITION - SET 1	3/ 3	DC	D2A1	.00	1.00	OT
16050200	PIC IGNITION - SET 2	3/ 3	DC	D3A1	.00	1.00	OT
16060100	PIC SEPARATION-SET 1	21/21	DC	D2A1	.00	1.00	OT
16060200	PIC SEPARATION-SET 2	21/21	DC	D3A1	.00	1.00	OT
16070100	SIG COND - SET 1	2/ 2	DC	D2A1	20.00	1.00	OT
16070200	SIG COND - SET 2	2/ 2	DC	D3A1	20.00	1.00	OT
16080000	TVC HYDR RECIRC SYS	4/ 4	DC	D2A1	206.00	1.00	OT
16090000	SAFE + ARM DEVICE	4/ 4	DC	D3A1	75.00	1.00	OT

TABLE A-I.- EPS DATA BASE ELECTRICAL EQUIPMENT LIST (JAN. 1975) - CONTINUED

SYSTEM- MAIN PROPULSION SYSTEM

NUMBER	COMPONENT TITLE	NO. EQUIP	AC/DC	BUS IDENTIFICATION	28V PWR (WATTS)	PF	COOL CODE
20010100	MAIN ENG CONTROLLER-1	1/ 1	AC	A1F3A, A1F3B, A1F3C	750.00	1.00	OT
20010200	MAIN ENG CONTROLLER-2	1/ 1	AC	A2F3A, A2F3B, A2F3C	750.00	1.00	OT
20010300	MAIN ENG CONTROLLER-3	1/ 1	AC	A3F3A, A3F3B, A3F3C	750.00	1.00	OT
20020100	MAIN ENG HTR #1	1/ 1	DC	D1A1	300.00	1.00	OT
20020200	MAIN ENG HTR #2	1/ 1	DC	D2A1	300.00	1.00	OT
20020300	MAIN ENG HTR #3	1/ 1	DC	D3A1	300.00	1.00	OT
20030100	LQ2 PREVALVE SOLENOID #1	2/ 1	DC	D1A1, D2A1	42.00	1.00	OT
20030200	LQ2 PREVALVE SOLENOID #2	2/ 1	DC	D2A1, D3A1	42.00	1.00	OT
20030300	LQ2 PREVALVE SOLENOID #3	2/ 1	DC	D3A1, D1A1	42.00	1.00	OT
20040100	LH2 PREVALVE SOLENOID #1	2/ 1	DC	D1A1, D2A1	42.00	1.00	OT
20040200	LH2 PREVALVE SOLENOID #2	2/ 1	DC	D2A1, D3A1	42.00	1.00	OT
20040300	LH2 PREVALVE SOLENOID #3	2/ 1	DC	D1A1, D2A1, D3A1	42.00	1.00	OT
20050000	LQ2 F+D VLV #1 O/B SOL	2/ 1	DC	D2A1	42.00	1.00	OT
20060000	LQ2 F+D VLV #2 O/B SOL	2/ 1	DC	D2A1	42.00	1.00	OT
20070100	LH2 F+D VLV #1 O/B SOL	1/ 1	DC	D1A1	42.00	1.00	OT
20070200	LH2 F+D VLV #1 O/B SOL	1/ 1	DC	D1A1	42.00	1.00	OT
20080100	LH2 F+D VLV #2 O/B SOL	1/ 1	DC	D1A1	42.00	1.00	OT
20080200	LH2 F+D VLV #2 O/B SOL	1/ 1	DC	D1A1	42.00	1.00	OT
20090000	LH2 TOPPING VLV OPEN SOL	1/ 1	DC	D1A1	42.00	1.00	OT
20100100	LH2 RECIRC VLV OPEN SOL=1	1/ 1	DC	D1G1	42.00	1.00	OT
20100200	LH2 RECIRC VLV OPEN SOL=2	1/ 1	DC	D2G1	42.00	1.00	OT
20100300	LH2 RECIRC VLV OPEN SOL=3	1/ 1	DC	D3G1	42.00	1.00	OT
20110100	ET/ORB LQ2 FEED DISC S V	1/ 1	DC	D1A1, D2A1	42.00	1.00	OT
20110200	ET/ORB LQ2 FEED DISC S V	1/ 1	DC	D1A1, D2A1	42.00	1.00	OT
20120100	ET/ORB LH2 FEED DISC S V	1/ 1	DC	D1A1, D2A1	42.00	1.00	OT
20120200	ET/ORB LH2 FEED DISC S V	1/ 1	DC	D1A1, D2A1	42.00	1.00	OT
20130100	ET/ORB RECIRC DISC S V	1/ 1	DC	D3A1	42.00	1.00	OT
20130200	ET/ORB RECIRC DISC S V	1/ 1	DC	D3A1	42.00	1.00	OT
20140000	LQ2 FEEDLN RELF SHUTOFF	1/ 1	DC	D3A1	42.00	1.00	OT

TABLE A-1.- EPS DATA BASE ELECTRICAL EQUIPMENT LIST (JAN. 1975) - CONTINUED

SYSTEM- MAIN PROPULSION SYSTEM

NUMBER	COMPONENT TITLE	NO. EQUIP	AC/DC	BUS IDENTIFICATION	28V PWR (WATTS)	PF	COOL CODE
20150000	LH2 FEEDLN RELF SHUTOFF	1/ 1	DC	D3A1	42.00	1.00	OT
20160000	LH2 PRESS'N DISC BYPASS	1/ 1	DC	D3A1	42.00	1.00	OT
20170000	ET VENT VLV ISO SOL VLV	2/ 2	DC	D1A1	42.00	1.00	OT
20180100	L02 FEEDLN REPRESS VLV=1	1/ 1	DC	D3A1	42.00	1.00	OT
20180200	L02 FEEDLN REPRESS VLV=2	1/ 1	DC	D3A1	42.00	1.00	OT
20190100	LH2 FEEDLN REPRESS VLV=1	1/ 1	DC	D3A1	42.00	1.00	OT
20190200	LH2 FEEDLN REPRESS VLV=2	1/ 1	DC	D3A1	42.00	1.00	OT
20200100	HE CROSSOVER VLV =1	1/ 1	DC	D1A1	42.00	1.00	OT
20200200	HE CROSSOVER VLV =2	1/ 1	DC	D2A1	42.00	1.00	OT
20200300	HE CROSSOVER VLV =3	1/ 1	DC	D3A1	42.00	1.00	OT
20210100	ENG HE SUPPLY ISO SOL =1	2/ 2	DC	D1A1	42.00	1.00	OT
20210200	ENG HE SUPPLY ISO SOL =2	2/ 2	DC	D2A1	42.00	1.00	OT
20210300	ENG HE SUPPLY ISO SOL =3	2/ 2	DC	D3A1	42.00	1.00	OT
20220100	VEH HE SUPPLY ISO SOL=1	1/ 1	DC	D1A1	42.00	1.00	OT
20220200	VEH HE SUPPLY ISO SOL=2	1/ 1	DC	D2A1	42.00	1.00	OT
20230100	HE BLOWDN SOL VLV =1	1/ 1	DC	D2A1	42.00	1.00	OT
20230200	HE BLOWDN SOL VLV =2	1/ 1	DC	D2A1	42.00	1.00	OT
20240100	L02 PRESS'N FL CNTL SV1	1/ 1	DC	D1A1	42.00	1.00	OT
20240200	L02 PRESS'N FL CNTL SV2	1/ 1	DC	D2A1	42.00	1.00	OT
20240300	L02 PRESS'N FL CNTL SV3	1/ 1	DC	D3A1	42.00	1.00	OT
20250100	LH2 PRESS'N FL CNTL SV1	1/ 1	DC	D1A1	42.00	1.00	OT
20250200	LH2 PRESS'N FL CNTL SV2	1/ 1	DC	D2A1	42.00	1.00	OT
20250300	LH2 PRESS'N FL CNTL SV3	1/ 1	DC	D3A1	42.00	1.00	OT
20270100	ET ULLAGE SIG CND PKG =1	1/ 1	DC	D1A1	33.33	1.00	F5
20270200	ET ULLAGE SIG CND PKG =2	1/ 1	DC	D2A1	33.33	1.00	F6
20270300	ET ULLAGE SIG CND PKG =3	1/ 1	DC	D3A1	33.33	1.00	F6
20280000	POINT SENSOR ELECTRONICS	1/ 1	DC	D1A1,D2A1,D3A1	115.00	1.00	F5
20310000	MPS DELTA P GSF	1/ 1	AC	A1F3A	14.00		F6
20320100	POGO SUPPRESSION SYS =1	1/ 1	DC	D1A1	150.00	1.00	OT

TABLE A-I.- EPS DATA BASE ELECTRICAL EQUIPMENT LIST (JAN. 1975) - CONTINUED

SYSTEM- MAIN PROPULSION SYSTEM

NUMBER	COMPONENT TITLE	NO. EQUIP	AC/DC	BUS IDENTIFICATION	28V PWR (WATTS)	PF	COOL CODE
20320200	POGO SUPPRESSION SYS =2	1/ 1	DC	02A1	150.00	1.00	0T
20320300	POGO SUPPRESSION SYS =3	1/ 1	DC	03A1	150.00	1.00	0T

TABLE A-1.- FPS DATA BASE ELECTRICAL EQUIPMENT LIST (JAN. 1975) - CONTINUED

SYSTEM- ORBITAL MANEUVERING SYSTEM

NUMBER	COMPONENT TITLE	NO. EQUIP	AC/DC	BUS IDENTIFICATION	28V PWR (WATTS)	PF	COOL CODE
21020000	OX HF/VAPOR ISO VL=1 LP	2/ 2	DC	D1A1,D2A1	24.00	1.00	OT
21030000	FUEL HF/VAPOR ISO =2 LP	2/ 2	DC	D3A1,D1A1	24.00	1.00	OT
21040000	OX HF/VAPOR ISO VL=1 RP	2/ 2	DC	D1A1,D2A1	24.00	1.00	OT
21050000	FUEL HF/VAPOR ISO =2 RP	2/ 2	DC	D2A1,D3A1	24.00	1.00	OT
21060000	OX HF/VAPOR ISO VL=1 PLR	2/ 2	DC	D1A1,D2A1	24.00	1.00	OT
21070000	FUEL HF/VAPOR ISO =2 PLR	2/ 2	DC	D2A1,D3A1	24.00	1.00	OT
21080100	ENG GMBL ACT PITCH =1-LP	1/ 1	DC	D1A1	134.50	1.00	OT
21080200	ENG GMBL ACT PITCH =1-RP	1/ 1	DC	D1A1	134.50	1.00	OT
21080300	ENG GMBL ACT PITCH =2-LP	1/ 1	DC	D2A1	134.50	1.00	OT
21080400	ENG GMBL ACT PITCH =2-RP	1/ 1	DC	D3A1	134.50	1.00	OT
21090100	ENG GMBL ACT YAW =1 -LP	1/ 1	DC	D1A1	134.50	1.00	OT
21090200	ENG GMBL ACT YAW =1 -RP	1/ 1	DC	D1A1	134.50	1.00	OT
21090300	ENG GMBL ACT YAW =2 -LP	1/ 1	DC	D2A1	134.50	1.00	OT
21090400	ENG GMBL ACT YAW =2 -RP	1/ 1	DC	D3A1	134.50	1.00	OT
21100100	TANK ISO VLV =1-LEFT POD	2/ 2	AC	A1F3A,A1F3B,A1F3C	60.00		OT
21100200	TANK ISO VLV =2-LEFT POD	2/ 2	AC	A2F3A,A2F3B,A2F3C	60.00		OT
21110100	TANK ISO VLV =1-RGHT POD	2/ 2	AC	A1F3A,A1F3B,A1F3C	60.00		OT
21110200	TANK ISO VLV =2-RGHT POD	2/ 2	AC	A3F3A,A3F3B,A3F3C	60.00		OT
21120100	CROSSFEED VL =1-LEFT POD	2/ 2	AC	A2F3A,A2F3B,A2F3C	60.00		OT
21120200	CROSSFEED VL =2-LEFT POD	2/ 2	AC	A3F3A,A3F3B,A3F3C	60.00		OT
21130100	CROSSFEED VL =1-RGHT POD	2/ 2	AC	A1F3A,A1F3B,A1F3C	60.00		OT
21130200	CROSSFEED VL =2-RGHT POD	2/ 2	AC	A3F3A,A3F3B,A3F3C	60.00		OT
21140100	THERMAL CNTL HTR =1	1/ 1	DC	D1A1	700.00	1.00	OT
21140200	THERMAL CNTL HTR =2	1/ 1	DC	D2A1	700.00	1.00	OT
21160000	THERML CNTL HTRS-AUX KIT	1/ 1	DC	D2A1	700.00	1.00	OT
21190000	CROSSFEED LINE HTRS	1/ 1	DC	D2A1	50.00	1.00	OT
21200100	ENGINE =1 HEATER	1/ 1	DC	D1A1	50.00	1.00	OT
21200200	ENGINE =2 HEATER	1/ 1	DC	D2A1	50.00	1.00	OT
21210000	VALVE POSITION IND	16/16	DC	D1A1	.40	1.00	OT

TABLE 4-I.- EPS DATA BASE ELECTRICAL EQUIPMENT LIST (JAN. 1975) - CONTINUED

SYSTEM- ORBITAL MANEUVERING SYSTEM

NUMBER	COMPONENT TITLE	NO. EQUIP	AC/DC	BUS IDENTIFICATION	28V PWR (WATTS)	PF	COOL CODE
21220000	VALVE PDS IAD-AUX KIT	8/ 8	DC	D1A1	.40	1.00	OT
21230100	PROP LOW LEVEL SENSOR =1	1/ 1	DC	D1A1	11.25	1.00	OT
21230200	PROP LOW LEVEL SENSOR =2	1/ 1	DC	D2A1	11.25	1.00	OT
21240100	QUANTITY GAGING PROBE =1	1/ 1	DC	D1A1	67.00	1.00	OT
21240200	QUANTITY GAGING PROBE =2	1/ 1	DC	D1A1	67.00	1.00	OT
21240300	QUANT GAGING PROBE =3 +4	2/ 2	DC	D1A1	67.00	1.00	OT
21250100	ENG ARMING VLV COIL =1LP	1/ 1	DC	D1A1	24.00	1.00	OT
21250200	ENG ARMING VLV COIL =2LP	1/ 1	DC	D2A1	24.00	1.00	OT
21260100	ENG ARMING VLV COIL =1RP	1/ 1	DC	D1A1	24.00	1.00	OT
21260200	ENG ARMING VLV COIL =2RP	1/ 1	DC	D3A1	24.00	1.00	OT
21270100	ENG CTL VL =1 COIL =1 LP	1/ 1	DC	D1A1	24.00	1.00	OT
21270200	ENG CTL VL =1 COIL =2 LP	1/ 1	DC	D2A1	24.00	1.00	OT
21280100	ENG CTL VL =2 COIL =1 LP	1/ 1	DC	D1A1	24.00	1.00	OT
21280200	ENG CTL VL =2 COIL =2 LP	1/ 1	DC	D2A1	24.00	1.00	OT
21290100	ENG CTL VL =1 COIL =1 RP	1/ 1	DC	D1A1	24.00	1.00	OT
21290200	ENG CTL VL =1 COIL =2 RP	1/ 1	DC	D3A1	24.00	1.00	OT
21300100	ENG CTL VL =2 COIL =1 RP	1/ 1	DC	D1A1	24.00	1.00	OT
21300200	ENG CTL VL =2 COIL =2 RP	1/ 1	DC	D3A1	24.00	1.00	OT
21310100	TANK ISO VLV =1-A PLB	2/ 2	AC	A1F3A, A1F3B, A1F3C	60.00		OT
21310200	TANK ISO VLV =1-B PLB	2/ 2	AC	A2F3A, A2F3B, A2F3C	60.00		OT
21320100	TANK ISO VLV =2-A PLB	2/ 2	AC	A2F3A, A2F3B, A2F3C	60.00		OT
21320200	TANK ISO VLV =2-B PLB	2/ 2	AC	A3F3A, A3F3B, A3F3C	60.00		OT

TABLE A-I.- EPS DATA BASE ELECTRICAL EQUIPMENT LIST (JAN. 1975) - CONTINUED

SYSTEM- REACTION CONTROL SYSTEM

NUMBER	COMPONENT TITLE	NO. EQUIP	AC/DC	BUS IDENTIFICATION	28V PWR (WATTS)	PF	COOL CODE
22010100	THRUSTER -FWD =1-8	8/ 8	DC	D2F1	56.00	1.00	OT
22010200	THRUSTER -FWD =9-12	4/ 4	DC	D1F1	56.00	1.00	OT
22010300	THRUSTER -FWD =13-14	2/ 2	DC	D3F1	56.00	1.00	OT
22020100	THRUSTER -AFT =1-6	6/ 6	DC	D2A1	56.00	1.00	OT
22020200	THRUSTER -AFT =7-18	12/12	DC	D1A1	56.00	1.00	OT
22020300	THRUSTER -AFT =19-24	6/ 6	DC	D3A1	56.00	1.00	OT
22030000	THRUSTER-VERNIER FWD	2/ 2	DC	D3F1	15.00	1.00	OT
22040100	THRUSTER VERN - AFT =1-2	2/ 2	DC	D1A1	15.00	1.00	OT
22040200	THRUSTER VERN - AFT =3	1/ 1	DC	D2A1	15.00	1.00	OT
22040300	THRUSTER VERN - AFT =4	1/ 1	DC	D3A1	15.00	1.00	OT
22060100	HE ISOL VLV =1 - FWD	2/ 2	DC	D1F1,D2F1	84.00	1.00	OT
22060200	HE ISOL VLV =2 - FWD	2/ 2	DC	D2F1,D3F1	84.00	1.00	OT
22070100	HE ISOL VLV =1 -LEFT AFT	2/ 2	DC	D1A1,D2A1	84.00	1.00	OT
22070200	HE ISOL VLV =2 -LEFT AFT	2/ 2	DC	D3A1,D1A1	84.00	1.00	OT
22080100	HE ISOL VLV =1 -RGHT AFT	2/ 2	DC	D1A1,D2A1	84.00	1.00	OT
22080200	HE ISOL VLV =2 -RGHT AFT	2/ 2	DC	D2A1,D3A1	84.00	1.00	OT
22090100	TNK ISO VL =1/=3 -FWD	2/ 2	AC	A3F3A,A3F3B,A3F3C	60.00		OT
22090200	TNK ISO VL =2/=4/=5 -FWD	2/ 2	AC	A1F3A,A1F3B,A1F3C	60.00		OT
22100100	TNK ISO VL =1/=2-LFT AFT	2/ 2	AC	A2F3A,A2F3B,A2F3C	60.00		OT
22100200	TNK ISO VL =3/=4/=5/A-LA	2/ 2	AC	A1F3A,A1F3B,A1F3C	60.00		OT
22100300	TNK ISO VL =3/=4/=5/B-LA	2/ 2	AC	A3F3A,A3F3B,A3F3C	60.00		OT
22110100	TNK ISO VL =1/=2-RHT AFT	2/ 2	AC	A2F3A,A2F3B,A2F3C	60.00		OT
22110200	TNK ISO VL =3/=4/=5/A-RA	2/ 2	AC	A1F3A,A1F3B,A1F3C	60.00		OT
22110300	TNK ISO VL =3/=4/=5/B-RA	2/ 2	AC	A3F3A,A3F3B,A3F3C	60.00		OT
22120100	MANIFOLD =1 ISO VL -FWD	2/ 2	AC	A1F3A,A1F3B,A1F3C	60.00		OT
22120200	MANIFOLD =2+3 ISO VL-FWD	4/ 4	AC	A2F3A,A2F3B,A2F3C	60.00		OT
22120300	MANIFOLD =4 ISO VL -FWD	2/ 2	AC	A3F3A,A3F3B,A3F3C	60.00		OT
22130100	MANIFOLD =1+4 ISO VL-LAF	4/ 4	AC	A1F3A,A1F3B,A1F3C	60.00		OT
22130200	MANIFOLD =2 ISO VL-LT AF	2/ 2	AC	A2F3A,A2F3B,A2F3C	60.00		OT

TABLE A-I.- EPS DATA BASE ELECTRICAL EQUIPMENT LIST (JAN. 1975) - CONTINUED

SYSTEM- REACTION CONTROL SYSTEM

NUMBER	COMPONENT TITLE	NO. EQUIP	AC/DC	BUS IDENTIFICATION	28V PWR (WATTS)	PF	COOL CODE
22130300	MANIFOLD =3 ISO VL-LT AF	2/ 2	AC	A3F3A, A3F3B, A3F3C	60.00		OT
22140100	MANIFOLD =1+4 ISO VL-RAF	4/ 4	AC	A1F3A, A1F3B, A1F3C	60.00		OT
22140200	MANIFOLD =2 ISO VL-RT AF	2/ 2	AC	A2F3A, A2F3B, A2F3C	60.00		OT
22140300	MANIFOLD =3 ISO VL-RT AF	2/ 2	AC	A3F3A, A3F3B, A3F3C	60.00		OT
22150000	TANK HEATERS-AFT LEFT	4/ 4	DC	D1A1, D2A1	55.00	1.00	OT
22160000	TANK HEATERS-AFT RIGHT	4/ 4	DC	D2A1, D3A1	55.00	1.00	OT
22170100	MAIN ENG HTRS-FWD =1-8	8/ 8	DC	D2F1	10.00	1.00	OT
22170200	MAIN ENG HTRS-FWD =9-12	4/ 4	DC	D1F1	10.00	1.00	OT
22170300	MAIN ENG HTRS-FWD =13-14	2/ 2	DC	D3F1	10.00	1.00	OT
22180100	MAIN ENG HTRS-AFT =1-6	6/ 6	DC	D2A1	10.00	1.00	OT
22180200	MAIN ENG HTRS-AFT =7-18	12/12	DC	D1A1	10.00	1.00	OT
22180300	MAIN ENG HTRS-AFT =19-24	6/ 6	DC	D3A1	10.00	1.00	OT
22190000	PROP FEED LINE HTRS-AFT	8/ 8	DC	D1L2, D2L2, D3L2	16.00	1.00	OT
22200000	PRESS PANEL HEATERS	4/ 4	DC	D1L2, D2L2, D3L2	20.00	1.00	OT
22210000	FEED SYS HTRS - FWD	4/ 4	DC	D1F1, D2F1, D3F1	160.00	1.00	OT
22220000	VERNIER ENG HTRS-FWD	2/ 2	DC	D3F1	5.00	1.00	OT
22230100	VERNIER ENG HTRS-AFT =1	1/ 1	DC	D1A1	5.00	1.00	OT
22230200	VERNIER ENG HTRS-AFT=2/3	2/ 2	DC	D2A2	5.00	1.00	OT
22230300	VERNIER ENG HTRS-AFT =4	1/ 1	DC	D3A1	5.00	1.00	OT
22250100	INTERCON VLV =1/=2-LT AF	2/ 2	AC	A2F3A, A2F3B, A2F3C	60.00		OT
22250200	INTERCON VL =3/=4/=5-LA	2/ 2	AC	A3F3A, A3F3B, A3F3C	60.00		OT
22260100	INTERCON VLV =1/=2-RT AF	2/ 2	AC	A1F3A, A1F3B, A1F3C	60.00		OT
22260200	INTERCON VL =3/=4/=5-RA	2/ 2	AC	A2F3A, A2F3B, A2F3C	60.00		OT
22270100	MANIFOLD ISO VLV - FWD	2/ 2	DC	D3F2, D1F2	84.00	1.00	OT
22270200	MANIFOLD ISO VLV -LFT AF	2/ 2	DC	D1A2, D2A2	84.00	1.00	OT
22270300	MANIFOLD ISO VLV -RT AFT	2/ 2	DC	D3A2, D1A2	84.00	1.00	OT

TABLE A-I.- EPS DATA BASE ELECTRICAL EQUIPMENT LIST (JAN. 1975) - CONTINUED

SYSTEM- POWER GENERATION SYSTEM

NUMBER	COMPONENT TITLE	NU. EQUIP	AC/DC	BUS IDENTIFICATION	28V PWR (WATTS)	PF	COOL CODE
30010100	GO2 PURGE VENT HTR =1	1/ 1	DC	D1M1	33.00	1.00	OT
30010200	GO2 PURGE VENT HTR =2	1/ 1	DC	D2M1	33.00	1.00	OT
30020100	GH2 PURGE VENT HTR =1	1/ 1	DC	D1M1	61.00	1.00	OT
30020200	GH2 PURGE VENT HTR =2	1/ 1	DC	D2M1	61.00	1.00	OT
30030100	H2O RELIEF VENT HTR =1	1/ 1	DC	D1F1	16.00	1.00	OT
30030200	H2O RELIEF VENT HTR =2	1/ 1	DC	D2F1	16.00	1.00	OT
30040100	FCP =1 CNTLS + FLOWMTRS	1/ 1	DC	D1E2	15.00	1.00	OT
30040200	FCP =2 CNTLS + FLOWMTRS	1/ 1	DC	D2E2	15.00	1.00	OT
30040300	FCP =3 CNTLS + FLOWMTRS	1/ 1	DC	D3E2	15.00	1.00	OT
30050100	FCP =1 PUMP + H2O SENSOR	1/ 1	AC	A1F3A,A1F3B,A1F3C	150.00	-.50	OT
30050200	FCP =2 PLMP + H2O SENSOR	1/ 1	AC	A2F3A,A2F3B,A2F3C	150.00	-.50	OT
30050300	FCP =3 PUMP + H2O SENSOR	1/ 1	AC	A3F3A,A3F3B,A3F3C	150.00	-.50	OT
30060100	FCP =1 GO2 PURGE VALVE	1/ 1	DC	D1M1	33.00	1.00	OT
30060200	FCP =2 GO2 PURGE VALVE	1/ 1	DC	D2M1	33.00	1.00	OT
30060300	FCP =3 GO2 PURGE VALVE	1/ 1	DC	D3M1	33.00	1.00	OT
30070100	FCP =1 GH2 PURGE VALVE	1/ 1	DC	D1M1	10.00	1.00	OT
30070200	FCP =2 GH2 PURGE VALVE	1/ 1	DC	D2M1	10.00	1.00	OT
30070300	FCP =3 GH2 PURGE VALVE	1/ 1	DC	D3M1	10.00	1.00	OT
30080100	FCP =1 START + SUST HTR	1/ 1	DC	D1G2	6000.00	1.00	OT
30080200	FCP =2 START + SUST HTR	1/ 1	DC	D2G2	6000.00	1.00	OT
30080300	FCP =3 START + SUST HTR	1/ 1	DC	D3G2	6000.00	1.00	OT
30150100	H2O LINE HEATER-FCP =1	1/ 1	DC	D2F1	15.00	1.00	OT
30150200	H2O LINE HEATER-FCP =2	1/ 1	DC	D3F1	15.00	1.00	OT
30150300	H2O LINE HEATER-FCP =3	1/ 1	DC	D1F1	15.00	1.00	OT
30170100	FCP =1 THERMAL CNTL HTR	1/ 1	DC	D2M1	150.00	1.00	OT
30170200	FCP =2 THERMAL CNTL HTR	1/ 1	DC	D3M2	150.00	1.00	OT
30170300	FCP =3 THERMAL CNTL HTR	1/ 1	DC	D1M3	150.00	1.00	OT

TABLE A-I.- EPS DATA BASE ELECTRICAL EQUIPMENT LIST (JAN. 1975) - CONTINUED

SYSTEM- CRYOGENICS SYSTEM

NUMBER	COMPONENT TITLE	NO. EQUIP	AC/DC	BUS IDENTIFICATION	28V PWR (WATTS)	PF	COOL CODE
31010100	VAC-ION PWR SUPL GSE =1	1/ 1	AC	A1G3A	10.00		OT
31010200	VAC-ION PWR SUPL GSE =2	1/ 1	AC	A2G3A	10.00		OT
31010300	VAC-ION PWR SUPL GSE =3	1/ 1	AC	A3G3A	10.00		OT
31010400	VAC-ION PWR SUPL GSE =4	1/ 1	AC	A3F3A	10.00		OT
31030100	SIG COND QTY =1	1/ 1	DC	D1K1	4.00	1.00	OT
31030200	SIG COND QTY =2	1/ 1	DC	D2R1	4.00	1.00	OT
31030300	SIG COND QTY =3 + =4	2/ 2	DC	D3R1	4.00	1.00	OT
31120100	SOLENOID VLV FCP =1	2/ 2	DC	D1E1	123.00	1.00	OT
31120200	SOLENOID VLV FCP =2	2/ 2	DC	D2E1	123.00	1.00	OT
31120300	SOLENOID VLV FCP =3	2/ 2	DC	D3E1	123.00	1.00	OT
31130100	SOLENOID VALVE ECLSS =1	1/ 1	DC	D1M1	123.00	1.00	OT
31130200	SOLENOID VALVE ECLSS =2	1/ 1	DC	D2M1	123.00	1.00	OT
31150100	SOL VLV MANIFOLD =1 + =4	2/ 2	DC	D1E1	123.00	1.00	OT
31150200	SOL VLV MANIFOLD =2	1/ 1	DC	D2E1	123.00	1.00	OT
31150300	SOL VLV MANIFOLD =3	1/ 1	DC	D3E1	123.00	1.00	OT
31170100	HEATERS OXYGEN SET 1	2/ 2	DC	D2M1	393.00	1.00	OT
31170200	HEATERS OXYGEN SET 2	2/ 2	DC	D3M1	393.00	1.00	OT
31170300	HEATERS OXYGEN SET 3	2/ 2	DC	D3M1	393.00	1.00	OT
31180100	HEATERS HYDROGEN SET 1	2/ 2	DC	D2M1	82.50	1.00	OT
31180200	HEATERS HYDROGEN SET 2	2/ 2	DC	D3M1	82.50	1.00	OT
31180300	HEATERS HYDROGEN SET 3	2/ 2	DC	D3M1	82.50	1.00	OT

TABLE A-1.- EPS DATA BASE ELECTRICAL EQUIPMENT LIST (JAN. 1975) - CONTINUED
SYSTEM- AUXILIARY POWER UNIT

NUMBER	COMPONENT TITLE	NO. EQUIP	AC/DC	BUS IDENTIFICATION	28V PWR (WATTS)	PF	COOL CODE
32020100	FUEL ISOLATION VALVE =1	1/ 1	DC	D1A1,D2A1	40.00	1.00	OT
32020200	FUEL ISOLATION VALVE =2	1/ 1	DC	D2A1,D3A1	40.00	1.00	OT
32020300	FUEL ISOLATION VALVE =3	1/ 1	DC	D3A1,D1A1	40.00	1.00	OT
32030100	APU =1 CONTROLLER	1/ 1	DC	D1A2,D2A2	150.00	1.00	F4
32030200	APU =2 CONTROLLER	1/ 1	DC	D2A2,D3A2	150.00	1.00	F5
32030300	APU =3 CONTROLLER	1/ 1	DC	D3A2,D1A2	150.00	1.00	F6
32040100	TANK HTR =1A - LH SIDE	1/ 1	DC	D1A2	50.00	1.00	OT
32040200	TANK HTR =2A - LH SIDE	1/ 1	DC	D2A2	50.00	1.00	OT
32040300	TANK HTR =3A - RH SIDE	1/ 1	DC	D3A1	50.00	1.00	OT
32050100	TANK HTR =1B - LH SIDE	1/ 1	DC	D2A2	50.00	1.00	OT
32050200	TANK HTR =2B - LH SIDE	1/ 1	DC	D3A2	50.00	1.00	OT
32050300	TANK HTR =3B - RH SIDE	1/ 1	DC	D1A1	50.00	1.00	OT
32060100	APU LINE HEATER =1A	1/ 1	DC	D1A1	50.00	1.00	OT
32060200	APU LINE HEATER =2A	1/ 1	DC	D2A1	50.00	1.00	OT
32060300	APU LINE HEATER =3A	1/ 1	DC	D3A1	50.00	1.00	OT
32070100	APU LINE HEATER =1B	1/ 1	DC	D2A1	50.00	1.00	OT
32070200	APU LINE HEATER =2B	1/ 1	DC	D3A2	50.00	1.00	OT
32070300	APU LINE HEATER =3B	1/ 1	DC	D1A1	50.00	1.00	OT
32080100	FUEL QUANTITY GAGE =1	1/ 1	DC	D1A1,D2A1,D3A1	1.00	1.00	OT
32080200	FUEL QUANTITY GAGE =2	1/ 1	DC	D1A1,D2A1,D3A1	1.00	1.00	OT
32080300	FUEL QUANTITY GAGE =3	1/ 1	DC	D1A1,D2A1,D3A1	1.00	1.00	OT
32090100	APU OIL LINE HEATER =1A	1/ 1	DC	D1A1	100.00	1.00	OT
32090200	APU OIL LINE HEATER =2A	1/ 1	DC	D2A1	100.00	1.00	OT
32090300	APU OIL LINE HEATER =3A	1/ 1	DC	D3A1	100.00	1.00	OT
32090400	APU OIL LINE HEATER =1B	1/ 1	DC	D2A1	100.00	1.00	OT
32090500	APU OIL LINE HEATER =2B	1/ 1	DC	D3A1	100.00	1.00	OT
32090600	APU OIL LINE HEATER =3B	1/ 1	DC	D1A1	100.00	1.00	OT
32100100	APU TURB VLV HTR =1A	1/ 1	DC	D1A1	68.30	1.00	OT
32100200	APU TURB VLV HTR =2A	1/ 1	DC	D2A1	68.30	1.00	OT

TABLE A-1.- EPS DATA BASE ELECTRICAL EQUIPMENT LIST (JAN. 1975) - CONTINUED

SYSTEM- AUXILIARY POWER UNIT

NUMBER	COMPONENT TITLE	NO. EQUIP	AC/DC	BUS IDENTIFICATION	28V PHR (WATTS)	PF	COOL CODE
32100300	APU TURB VLV HTR =3A	1/ 1	DC	D3A1	68.30	1.00	OT
32100400	APU TURB VLV HTR =1B	1/ 1	DC	D2A1	68.30	1.00	OT
32100500	APU TURB VLV HTR =2P	1/ 1	DC	D3A1	68.30	1.00	OT
32100600	APU TURB VLV HTR =3B	1/ 1	DC	D1A1	68.30	1.00	OT
32110100	APU =1A TUR GAS GEN HTR	1/ 1	DC	D1A1	68.30	1.00	OT
32110200	APU =2A TUR GAS GEN HTR	1/ 1	DC	D2A1	68.30	1.00	OT
32110300	APU =3A TUR GAS GEN HTR	1/ 1	DC	D3A1	68.30	1.00	OT
32110400	APU =1B TUR GAS GEN HTR	1/ 1	DC	D2A1	68.30	1.00	OT
32110500	APU =2B TUR GAS GEN HTR	1/ 1	DC	D3A1	68.30	1.00	OT
32110600	APU =3B TUR GAS GEN HTR	1/ 1	DC	D1A1	68.30	1.00	OT
32120100	SERVICE LINE HEATER =1	2/ 1	DC	D1A1	50.00	1.00	OT
32120200	SERVICE LINE HEATER =2	2/ 1	DC	D2A1	50.00	1.00	OT
32120300	SERVICE LINE HEATER =3	2/ 1	DC	D3A1	50.00	1.00	OT

TABLE A-I.- EPS DATA BASE ELECTRICAL EQUIPMENT LIST (JAN. 1975) - CONTINUED

SYSTEM-- ENVIRONMENTAL CONTROL AND LIFE SUPPORT

NUMBER	COMPONENT TITLE	NO. EQUIP	AC/DC	BUS IDENTIFICATION	28V PWR (WATTS)	PF	COOL CODE
40010100	CABIN FAN =1	1/ 1	AC	A1F3A, A1F3B, A1F3C	500.00	-.75	HX
40010210	CABIN FAN =2	1/ 1	AC	A2F3A, A2F3B, A2F3C	500.00	-.75	HX
40010310	CABIN FAN =3	1/ 1	AC	A3F3A, A3F3B, A3F3C	500.00	-.75	HX
40020100	WATER PUMP PKG PRI A	1/ 1	AC	A1F3A, A1F3B, A1F3C	270.00	-.67	WC
40020210	WATER PUMP PKG PRI B	1/ 1	AC	A2F3A, A2F3B, A2F3C	270.00	-.67	WC
40020300	WATER PUMP PACKAGE SEC	1/ 1	AC	A3F3A, A3F3B, A3F3C	270.00	-.67	WC
40030000	CABIN PRESS CNTL SYSTEM	1/ 1	DC	D1F2	84.00	1.00	AC
40030010	CAB PRESS CNTL-AIRLK SP	1/ 1	DC	D1F2	30.60	1.00	AC
40030020	CAB PRESS CNTL-EMERG WDF	1/ 1	DC	D1F2	23.00	1.00	AC
40050100	AVIONICS FANS-BAY 1 A	1/ 1	AC	A1F3A, A1F3B, A1F3C	180.00	-.75	A1
40050210	AVIONICS FANS-BAY 1 B	1/ 1	AC	A2F3A, A2F3B, A2F3C	180.00	-.75	A1
40050300	AVIONICS FANS-BAY 2 A	1/ 1	AC	A2F3A, A2F3B, A2F3C	180.00	-.75	A2
40050410	AVIONICS FANS-BAY 2 B	1/ 1	AC	A3F3A, A3F3B, A3F3C	180.00	-.75	A2
40050500	AVIONICS FANS-BAY 3 A	1/ 1	AC	A3F3A, A3F3B, A3F3C	180.00	-.75	A3
40050610	AVIONICS FANS-BAY 3 B	1/ 1	AC	A1F3A, A1F3B, A1F3C	180.00	-.75	A3
40060100	H2O SEPARATOR ARS - =1	1/ 1	AC	A1F3A, A1F3B, A1F3C	40.00	-.30	AC
40060210	H2O SEPARATOR ARS - =2	1/ 1	AC	A2F3A, A2F3B, A2F3C	40.00	-.30	AC
40060310	H2O SEPARATOR ARS - =3	1/ 1	AC	A3F3A, A3F3B, A3F3C	40.00	-.30	AC
40070100	CABIN HEATER =1	1/ 1	DC	D1F2	333.33	1.00	AC
40070200	CABIN HEATER =2	1/ 1	DC	D2F2	333.33	1.00	AC
40070300	CABIN HEATER =3	1/ 1	DC	D3F2	333.33	1.00	AC
40080000	INSTR + CONTROLS ARS	1/ 1	AC	A1F3C	47.00		HX
40090100	IMU HX ASSEMBLY FAN =1	1/ 1	AC	A1F3A, A1F3B, A1F3C	70.00	-.60	WC
40090210	IMU HX ASSEMBLY FAN =2	1/ 1	AC	A2F3A, A2F3B, A2F3C	70.00	-.60	WC
40090310	IMU HX ASSEMBLY FAN =3	1/ 1	AC	A3F3A, A3F3B, A3F3C	55.00	-.60	WC
40100100	OVEN HEATER =1	1/ 1	DC	D1F2	150.00	1.00	AC
40100210	OVEN HEATER =2	1/ 1	DC	D3F2	150.00	1.00	AC
40111100	INST/CNTLS-OVEN FANS =1	2/ 1	DC	D2L2	5.00	1.00	AC
40111210	INST/CNTLS-OVEN FANS =2	2/ 1	DC	D3L2	5.00	1.00	AC

TABLE A-I.- EPS DATA BASE ELECTRICAL EQUIPMENT LIST (JAN. 1975) - CONTINUED

SYSTEM- ENVIRONMENTAL CONTROL AND LIFE SUPPORT

NUMBER	COMPONENT TITLE	NO. EQUIP	AC/DC	BUS IDENTIFICATION	28V PWR (WATTS)	PF	COOL CODE
40112100	INST/CNTLS-CVEN FANS =1	2/ 1	AC	A2F3C	95.00		AC
40112210	INST/CNTLS-CVEN FANS =2	2/ 1	AC	A3F3C	95.00		AC
40120100	WATER HEATER =1	1/ 1	DC	D1F1	1850.00	1.00	AC
40120210	WATER HEATER =2	1/ 1	DC	D2F1	1850.00	1.00	AC
40130000	DUMP NOZZLE - WATER	1/ 1	DC	D2L2	10.00	1.00	OT
40141000	INSTR + CONTROLS WATER	1/ 1	DC	D1L2	10.00	1.00	AC
40142000	INSTR + CONTROLS WATER	1/ 1	AC	A1F3B	12.00		AC
40160000	SOLIDS COLLECTION SLINGER	1/ 1	AC	A3F3A, A3F3B, A3F3C	120.00		AC
40170000	WATER SEP -LIFE SUPPORT	1/ 1	AC	A3F3A, A3F3B, A3F3C	100.00		AC
40180000	DUMP NOZZLE-URINE	1/ 1	DC	D3L2	10.00	1.00	OT
40190000	INSTR + CONTROLS WASTE	1/ 1	DC	D2L2	10.00	1.00	AC
40200100	SMOKE DET SENSR -FLT/MID	2/ 2	DC	D3R2, D1R2	5.00	1.00	AC
40200200	SMOKE DET SENSOR-BAY A1	2/ 2	DC	D2R2, D3R2	5.00	1.00	A1
40200300	SMOKE DET SENSOR-BAY A2	2/ 2	DC	D3R2, D1R2	5.00	1.00	A2
40200400	SMOKE DET SENSOR-BAY A3	2/ 2	DC	D1R2, D2R2	5.00	1.00	A3
40210000	SMOKE DETECTOR ALARM	1/ 1	DC	D1R2	.50	1.00	AC
40270100	FLASH EVAPORATOR HTR =1	1/ 1	DC	D1F2	310.00	1.00	OT
40270200	FLASH EVAPORATOR HTR =2	1/ 1	DC	D2F2	310.00	1.00	OT
40280100	FLASH EVAPORATOR EL =1	1/ 1	DC	D1L2	8.00	1.00	OT
40280200	FLASH EVAPORATOR EL =2	1/ 1	DC	D2L2	8.00	1.00	OT
40290100	FREON PUMP LOOP 1-A ASC	1/ 1	AC	A1F3A, A1F3B, A1F3C	500.00		OT
40290120	FREON PUMP LOOP 1-A 6 PL	1/ 1	AC	A1F3A, A1F3B, A1F3C	420.00		OT
40290130	FREON PUMP LOOP 1-A 8 PL	1/ 1	AC	A1F3A, A1F3B, A1F3C	460.00		OT
40290210	FREON PUMP LOOP 1-B ASC	1/ 1	AC	A3F3A, A3F3B, A3F3C	500.00		OT
40290220	FREON PUMP LOOP 1-B 6 PL	1/ 1	AC	A3F3A, A3F3B, A3F3C	420.00		OT
40290230	FREON PUMP LOOP 1-B 8 PL	1/ 1	AC	A3F3A, A3F3B, A3F3C	460.00		OT
40290300	FREON PUMP LOOP 2-A ASC	1/ 1	AC	A2F3A, A2F3B, A2F3C	500.00		OT
40290320	FREON PUMP LOOP 2-A 6 PL	1/ 1	AC	A2F3A, A2F3B, A2F3C	420.00		OT
40290330	FREON PUMP LOOP 2-A 8 PL	1/ 1	AC	A2F3A, A2F3B, A2F3C	460.00		OT

TABLE A-I.- EPS DATA BASE ELECTRICAL EQUIPMENT LIST (JAN. 1975) - CONTINUED

SYSTEM- ENVIRONMENTAL CONTROL AND LIFE SUPPORT

NUMBER	COMPONENT TITLE	NO. EQUIP	AC/DC	BUS IDENTIFICATION	28V PWR (WATTS)	PF	COOL CODE
40290410	FREON PUMP LOOP 2-B ASC	1/ 1	AC	A3F3A, A3F3B, A3F3C	500.00		OT
40290420	FREON PUMP LOOP 2-B 6 PL	1/ 1	AC	A3F3A, A3F3B, A3F3C	420.00		OT
40290430	FREON PUMP LOOP 2-B 8 PL	1/ 1	AC	A3F3A, A3F3B, A3F3C	460.00		OT
40300100	SPACE RADIATOR SYSTEM =1	1/ 1	DC	D1L1	10.00	1.00	OT
40300200	SPACE RADIATOR SYSTEM =2	1/ 1	DC	D2L1	10.00	1.00	OT
40310100	AMMONIA BOILER SYSTEM =1	1/ 1	DC	D1L2	30.00	1.00	OT
40310200	AMMONIA BOILER SYSTEM =2	1/ 1	DC	D2L2	30.00	1.00	OT
40340100	LCG COOLANT PUMP =1	1/ 1	DC	D1F2	.00	1.00	OT
40340200	LCG COOLANT PUMP =2	1/ 1	DC	D2F2	.00	1.00	OT
40350100	FREON PROPR VALVE =1	1/ 1	DC	D3L2	67.00	1.00	OT
40350200	FREON PROPR VALVE =2	1/ 1	DC	D2L2	67.00	1.00	OT

TABLE A-I.- EPS DATA BASE ELECTRICAL EQUIPMENT LIST (JAN. 1975) - CONTINUED

SYSTEM- HYDRAULICS POWER SYSTEM

NUMBER	COMPONENT TITLE	NO. EQUIP	AC/DC	BUS IDENTIFICATION	28V PWR (WATTS)	PF	COOL CODE
50010000	LG EXTEND VALVE	1/ 1	DC	01F2	20.00	1.00	OT
50020100	MAIN LDG GEAR UPLK VL =1	1/ 1	DC	02F2	20.00	1.00	OT
50020200	MAIN LDG GEAR UPLK VL =2	1/ 1	DC	02F2	20.00	1.00	OT
50020300	MAIN LDG GR UPLK VL =3+4	2/ 2	DC	03F2	20.00	1.00	OT
50030100	LDG GEAR DUMP VLV =1	1/ 1	DC	03F2	20.00	1.00	OT
50030200	LDG GEAR DUMP VLV =2	1/ 1	DC	02F2	20.00	1.00	OT
50040000	LG RETRACT CIRC VLV	1/ 1	DC	01F2,02F2	20.00	1.00	OT
50050000	REDUNDANT SHUTOFF VALVE	1/ 1	DC	01F2	20.00	1.00	OT
50060100	MAIN PUMP =1 DEPRES VLV	1/ 1	DC	01A2,02A2	26.00	1.00	OT
50060200	MAIN PUMP =2 DEPRES VLV	1/ 1	DC	02A2,03A2	26.00	1.00	OT
50060300	MAIN PUMP =3 DEPRES VLV	1/ 1	DC	03A2,01A2	26.00	1.00	OT
50070100	CIRC MOTOR PUMP =1	1/ 1	DC	01A1	1944.00	1.00	OT
50070200	CIRC MOTOR PUMP =2	1/ 1	DC	02A1	1944.00	1.00	OT
50070300	CIRC MOTOR PUMP =3	1/ 1	DC	03A1	1944.00	1.00	OT
50080100	RESVOIR =1 VOLUME SENSOR	1/ 1	AC	A1F3B	8.00	-.80	OT
50080200	RESVOIR =2 VOLUME SENSOR	1/ 1	AC	A2F3B	8.00	-.80	OT
50080300	RESVOIR =3 VOLUME SENSOR	1/ 1	AC	A3F3B	8.00	-.80	OT
50090100	SSME =1 SYS S/O VALVE	1/ 1	DC	01A1	20.00	1.00	OT
50090200	SSME =2 SYS S/O VALVE	1/ 1	DC	02A1	20.00	1.00	OT
50090300	SSME =3 SYS S/O VALVE	1/ 1	DC	03A1	20.00	1.00	OT
50100100	LI ELEVON HTR BKT =1/=2	2/ 1	DC	01A1	50.00	1.00	OT
50100200	LO ELEVON HTR BKT =1/=2	2/ 1	DC	02A1	50.00	1.00	OT
50100300	RI ELEVON HTR BKT =1/=2	2/ 1	DC	03A1	50.00	1.00	OT
50100400	RO ELEVON HTR BKT =1/=2	2/ 1	DC	01A1	50.00	1.00	OT
50110100	H2O BOILER =1 STM S/O VL	1/ 1	AC	A1F3A	20.00	-.80	OT
50110200	H2O BOILER =2 STM S/O VL	1/ 1	AC	A2F3A	20.00	-.80	OT
50110300	H2O BOILER =3 STM S/O VL	1/ 1	AC	A3F3A	20.00	-.80	OT
50120100	H2O BOILER =1 XFER VLV	1/ 1	DC	01A1	50.00	1.00	OT
50120200	H2O BOILER =2 XFER VLV	1/ 1	DC	02A1	50.00	1.00	OT

TABLE A-1.- EPS DATA BASE ELECTRICAL EQUIPMENT LIST (JAN. 1975) - CONTINUED

SYSTEM- HYDRAULICS POWER SYSTEM

NUMBER	COMPONENT TITLE	NO. EQUIP	AC/DC	BUS IDENTIFICATION	28V PWR (WATTS)	PF	COOL CODE
50120300	H2O BOILER #3 XFER VLV	1/ 1	DC	D3A1	50.00	1.00	OT
50130100	H2O BOILER #1 THRM CNTL VL	1/ 1	AC	A1F3C	20.00	-.80	OT
50130200	H2O BOILER #2 THRM CNTL VL	1/ 1	AC	A2F3C	20.00	-.80	OT
50130300	H2O BOILER #3 THRM CNTL VL	1/ 1	AC	A3F3C	20.00	-.80	OT
50140100	H2O BOILER #1 ELECT CONT	1/ 1	AC	A1F3A	7.00	1.00	OT
50140200	H2O BOILER #2 ELECT CONT	1/ 1	AC	A2F3A	7.00	1.00	OT
50140300	H2O BOILER #3 ELECT CONT	1/ 1	AC	A3F3A	7.00	1.00	OT
50150100	H2O BOILER #1 HEATER	1/ 1	DC	D1A1	100.00	1.00	OT
50150200	H2O BOILER #2 HEATER	1/ 1	DC	D2A1	100.00	1.00	OT
50150300	H2O BOILER #3 HEATER	1/ 1	DC	D3A1	100.00	1.00	OT
50160100	H2O BOILER #1 QTY GAGE	1/ 1	AC	A1F3C	5.00		OT
50160200	H2O BOILER #2 QTY GAGE	1/ 1	AC	A2F3C	5.00		OT
50160300	H2O BOILER #3 QTY GAGE	1/ 1	AC	A3F3C	5.00		OT
50170000	ELEVON ACT SW VLV POS	8/ 8	DC	D1K1	1.00	1.00	OT
50180100	RUD/SPDBRK ACT VL POS #1	1/ 1	DC	D2K1	1.00	1.00	OT
50180200	RUD/SPDBRK ACT VL POS #2	1/ 1	DC	D3R1	1.00	1.00	OT
50190000	TVC ACT SW VLV PCS	12/12	DC	D1R1	1.00	1.00	OT
50220100	BODYFLAP MTR 1 HTR #1/#2	2/ 1	DC	D1A1	50.00	1.00	OT
50220200	BODYFLAP MTR 2 HTR #1/#2	2/ 1	DC	D2A1	50.00	1.00	OT
50220300	BODYFLAP MTR 3 HTR #1/#2	2/ 1	DC	D3A1	50.00	1.00	OT
50240100	MAIN PUMP #1 HTR - #1/#2	2/ 1	DC	D1A1	25.00	1.00	OT
50240200	MAIN PUMP #2 HTR - #1/#2	2/ 1	DC	D2A1	25.00	1.00	OT
50240300	MAIN PUMP #3 HTR - #1/#2	2/ 1	DC	D3A1	25.00	1.00	OT
50250100	RUDDER SPBK MTR #1+4 HTR	4/ 2	DC	D1A1	50.00	1.00	OT
50250200	RUDDER SPBK MTR #2+5 HTR	4/ 2	DC	D2A1	50.00	1.00	OT
50250300	RUDDER SPBK MTR #3+6 HTR	4/ 2	DC	D3A1	50.00	1.00	OT
50260100	SSME #1 HYDR ISOL VALVE	1/ 1	DC	D1A1	80.00	1.00	OT
50260200	SSME #2 HYDR ISOL VALVE	1/ 1	DC	D2A1	80.00	1.00	OT
50260300	SSME #3 HYDR ISOL VALVE	1/ 1	DC	D3A1	80.00	1.00	OT

TABLE A-I.- EPS DATA BASE ELECTRICAL EQUIPMENT LIST (JAN. 1975) - CONTINUED

SYSTEM- HYDRAULICS POWER SYSTEM

NUMBER	COMPONENT TITLE	NO. EQUIP	AC/DC	BUS IDENTIFICATION	28V PWR (WATTS)	PF	COOL CODE
50270100	LDG GEAR ISOL VLV SYS =1	1/ 1	DC	01A1	80.00	1.00	OT
50270200	LDG GEAR ISOL VLV SYS =2	1/ 1	DC	02A1	80.00	1.00	OT
50270300	LDG GEAR ISOL VLV SYS =3	1/ 1	DC	03A1	80.00	1.00	OT

TABLE A-1.- EPS DATA BASE ELECTRICAL EQUIPMENT LIST (JAN. 1975) - CONTINUED

SYSTEM- DOCKING AND CARGO HANDLING

NUMBER	COMPONENT TITLE	NO. EQUIP	AC/DC	BUS IDENTIFICATION	28V PWR (WATTS)	PF	COOL CODE
51010000	MANIPULATOR -	1/ 1	DC	D1M2	1600.00	1.00	OT
51010200	MANIPULATOR KIT	1/ 1	DC	D2M2	1600.00	1.00	OT
51020100	MANIP DEPLOY DRIVE SET A	2/ 2	AC	A1F3A, A1F3B, A1F3C	150.00	-.70	OT
51020200	MANIP DEPLOY DRIVE SET B	3/ 3	AC	A2F3A, A2F3B, A2F3C	150.00	-.70	OT
51020300	MANIP DEPLOY DRIVE SET C	3/ 3	AC	A3F3A, A3F3B, A3F3C	150.00	-.70	OT
51030100	MANIP RET LTCH DR SET A	2/ 2	AC	A1F3A, A1F3B, A1F3C	60.00	-.70	OT
51030200	MANIP RET LTCH DR SET B	2/ 2	AC	A2F3A, A2F3B, A2F3C	60.00	-.70	OT
51030300	MANIP RET LTCH DR SET C	2/ 2	AC	A3F3A, A3F3B, A3F3C	60.00	-.70	OT
51040100	MANIP CNTRL INTFCE UNIT 1	1/ 1	DC	D1M2	11.00	1.00	AC
51040200	MANIP CNTRL INTFCE UNIT 2	1/ 1	DC	D1M2	11.00	1.00	AC
51050100	P/L RETENTION LCH DR =1	10/ 2	AC	A1F3A, A1F3B, A1F3C	60.00	-.70	OT
51050200	P/L RETENTION LCH DR =2	10/ 2	AC	A2F3A, A2F3B, A2F3C	60.00	-.70	OT
51050300	P/L RETENTION LCH DR =3	10/ 2	AC	A3F3A, A3F3B, A3F3C	60.00	-.70	OT
51060100	XFER TUNNEL EXT/RET DR 1	1/ 1	AC	A1F3A, A1F3B, A1F3C	200.00	-.70	OT
51060200	XFER TUNNEL EXT/RET DR 2	1/ 1	AC	A2F3A, A2F3B, A2F3C	200.00	-.70	OT
51070100	XFER TUNNEL LTCH DRVE =1	1/ 1	AC	A2F3A, A2F3B, A2F3C	140.00	-.70	OT
51070200	XFER TUNNEL LTCH DRVE =2	1/ 1	AC	A3F3A, A3F3B, A3F3C	140.00	-.70	OT
51120100	RENDZ SENSOR DEPL DR =1	1/ 1	AC	A1F3A, A1F3B, A1F3C	200.00	-.70	OT
51120200	RENDZ SENSOR DEPL DR =2	1/ 1	AC	A3F3A, A3F3B, A3F3C	200.00	-.70	OT
51150100	E/T UMB LH DOOR DR =1	1/ 1	AC	A1F3A, A1F3B, A1F3C	200.00	-.70	OT
51150200	E/T UMB LH DOOR DR =2	1/ 1	AC	A2F3A, A2F3B, A2F3C	200.00	-.70	OT
51160100	E/T UMB LH DOOR LCH =1	1/ 1	AC	A1F3A, A1F3B, A1F3C	200.00	-.70	OT
51160200	E/T UMB LH DOOR LCH =2	1/ 1	AC	A2F3A, A2F3B, A2F3C	200.00	-.70	OT
51170100	E/T UMB RH DOOR DR =1	1/ 1	AC	A1F3A, A1F3B, A1F3C	200.00	-.70	OT
51170200	E/T UMB RH DOOR DR =2	1/ 1	AC	A2F3A, A2F3B, A2F3C	200.00	-.70	OT
51180100	E/T UMB RH DOOR LCH =1	1/ 1	AC	A1F3A, A1F3B, A1F3C	200.00	-.70	OT
51180200	E/T UMB RH DOOR LCH =2	1/ 1	AC	A2F3A, A2F3B, A2F3C	200.00	-.70	OT

TABLE A-I.- EPS DATA BASE ELECTRICAL EQUIPMENT LIST (JAN. 1975) - CONTINUED

SYSTEM- MECHANICAL SYSTEMS AND LANDING

NUMBER	COMPONENT TITLE	NO. EQUIP	AC/DC	BUS IDENTIFICATION	28V PWR (WATTS)	PF	COOL CODE
52010000	RUD/SPD BRKE S/V RUD	2/ 2	DC	D1A1	15.00	1.00	OT
52020100	RUDDER/SPEED BRK S/V=1+4	2/ 2	DC	D1A1	15.00	1.00	OT
52020200	RUDDER/SPEED BRK S/V =2	1/ 1	DC	D2A1	15.00	1.00	OT
52020300	RUDDER/SPEED BRK S/V =3	1/ 1	DC	D3A1	15.00	1.00	OT
52040100	STARTRACKER DOOR DR =1	1/ 1	AC	A1F3A,A1F3B,A1F3C	200.00	-.70	OT
52040200	STARTRACKER DOOR DR =2	1/ 1	AC	A2F3A,A2F3B,A2F3C	200.00	-.70	OT
52050100	RCS TOP DOOR ACT =1	1/ 1	AC	A1F3A,A1F3B,A1F3C	200.00	-.70	OT
52050200	RCS TOP DOOR ACT =2	1/ 1	AC	A2F3A,A2F3B,A2F3C	200.00	-.70	OT
52060100	RCS LH SIDE DOOR ACT =1	1/ 1	AC	A1F3A,A1F3B,A1F3C	200.00	-.70	OT
52060200	RCS LH SIDE DOOR ACT =2	1/ 1	AC	A2F3A,A2F3B,A2F3C	200.00	-.70	OT
52070100	RCS RH SIDE DOOR ACT =1	1/ 1	AC	A1F3A,A1F3B,A1F3C	200.00	-.70	OT
52070200	RCS RH SIDE DOOR ACT =2	1/ 1	AC	A2F3A,A2F3B,A2F3C	200.00	-.70	OT
52080100	LNCH UMB DOOR DR LH =1	1/ 1	AC	A1F3A,A1F3B,A1F3C	200.00	-.70	OT
52080200	LNCH UMB DOOR DR LH =2	1/ 1	AC	A2F3A,A2F3B,A2F3C	200.00	-.70	OT
52090100	LNCH UMB DOOR DR RH =1	1/ 1	AC	A1F3A,A1F3B,A1F3C	200.00	-.70	OT
52090200	LNCH UMB DOOR DR RH =2	1/ 1	AC	A2F3A,A2F3B,A2F3C	200.00	-.70	OT
52160100	P/L BAY DOOR DR LH =1	1/ 1	AC	A1F3A,A1F3B,A1F3C	400.00	-.70	OT
52160200	P/L BAY DOOR DR LH =2	1/ 1	AC	A2F3A,A2F3B,A2F3C	400.00	-.70	OT
52170100	P/L BAY DOOR DR RH =1	1/ 1	AC	A1F3A,A1F3B,A1F3C	400.00	-.70	OT
52170200	P/L BAY DOOR DR RH =2	1/ 1	AC	A2F3A,A2F3B,A2F3C	400.00	-.70	OT
52180100	G+NC PROBE ACT LH-A-T =1	1/ 1	AC	A1F3B	5.00	-.70	OT
52180200	G+NC PROBE ACT LH-A-T =2	1/ 1	AC	A2F3B	5.00	-.70	OT
52200100	G+NC PROBE ACT RH-A-T =1	1/ 1	AC	A2F3C	5.00	-.70	OT
52200200	G+NC PROBE ACT RH-A-T =2	1/ 1	AC	A2F3C	5.00	-.70	OT
52260000	NOSE WHEEL STEERING UNIT	1/ 1	DC	D1R1	10.00	1.00	A3
52270100	BRAKE/SKID POWER UNIT =1	1/ 1	DC	D1F2,D2F2,D3F2	70.00	1.00	A1
52270200	BRAKE/SKID POWER UNIT =2	1/ 1	DC	D1F2,D2F2,D3F2	70.00	1.00	A2
52300100	G+NC PROBE HEATERS-LEFT	1/ 1	DC	D1F1	1100.00	1.00	OT
52300200	G+NC PROBE HEATERS-RIGHT	1/ 1	DC	D2F1	1100.00	1.00	OT

TABLE A-I.- EPS DATA BASE ELECTRICAL EQUIPMENT LIST (JAN. 1975) - CONCLUDED
SYSTEM- MECHANICAL SYSTEMS AND LANDING

NUMBER	COMPONENT TITLE	NO. EQUIP	AC/DC	BUS IDENTIFICATION	28V PWR (WATTS)	PF	COOL CODE
52320100	VENT DOOR MOTORS SET 1	2/ 2	AC	A1F3A, A1F3B, A1F3C	10.00		OT
52320200	VENT DOOR MOTORS SET 2	2/ 2	AC	A2F3A, A2F3B, A2F3C	10.00		OT
52330100	VENT DOOR MOTORS SET 1	2/ 2	AC	A1F3A, A1F3B, A1F3C	100.00		OT
52330200	VENT DOOR MOTORS SET 2	2/ 2	AC	A2F3A, A2F3B, A2F3C	100.00		OT
52340100	VENT DOOR MOTORS SET 1	2/ 2	AC	A1F3A, A1F3B, A1F3C	20.00		OT
52340200	VENT DOOR MOTORS SET 2	2/ 2	AC	A2F3A, A2F3B, A2F3C	20.00		OT
52350100	VENT DOOR MTR PLB WNG 1	2/ 2	AC	A1F3A, A1F3B, A1F3C	100.00		OT
52350200	VENT DOOR MTR PLB WNG 2	2/ 2	AC	A2F3A, A2F3B, A2F3C	100.00		OT
52360100	PBD CIRCUM LCH DRV =1	4/ 2	AC	A1F3A, A1F3B, A1F3C	140.00	-.70	OT
52360200	PBD CIRCUM LCH DRV =2	4/ 2	AC	A2F3A, A2F3B, A2F3C	140.00	-.70	OT
52370100	PBD CNTR LINE LTCH DR =1	4/ 2	AC	A1F3A, A1F3B, A1F3C	220.00	-.70	OT
52370200	PBD CNTR LINE LTCH DR =2	4/ 2	AC	A2F3A, A2F3B, A2F3C	220.00	-.70	OT
52380100	RAD RET LATCH DRIVE =1	2/ 2	AC	A1F3A, A1F3B, A1F3C	60.00	-.70	OT
52380200	RAD RET LATCH DRIVE =2	3/ 3	AC	A2F3A, A2F3B, A2F3C	60.00	-.70	OT
52380300	RAD RET LATCH DRIVE =3	2/ 2	AC	A3F3A, A3F3B, A3F3C	60.00	-.70	OT
52390100	RADIATOR DEPLOY DRIVE =1	2/ 2	AC	A1F3A, A1F3B, A1F3C	15.00	-.70	OT
52390200	RADIATOR DEPLOY DRIVE =2	2/ 2	AC	A2F3A, A2F3B, A2F3C	15.00	-.70	OT

B-1

APPENDIX B - ACTIVITY BLOCKS - DEFINITIONS AND USE

APPENDIX B

ACTIVITY BLOCKS - DEFINITION AND USE

For purposes of organization and ease of identification, activity blocks are numbered as follows.

- 100 series - common blocks
- 200 series - ascent blocks
- 300 series - maneuvering blocks
- 400 series - on-orbit blocks
- 500 series - descent
- 600 series - heater blocks
- 700 series - payload/mission peculiar blocks
- 800 series - unassigned
- 900 series - ALT blocks (not included)

PRECEDING PAGE BLANK NOT FILMED

TABLE B-I.- ACTIVITY BLOCK DEFINITIONS

<u>Number</u>	<u>Title</u>	<u>Definitions</u>
101	Mission Common (GSE-GSE)	Equipment that is used for all missions and which remains on from power transfer internal to power transfer external.
102	Ascent (GSE-Insertion)	Equipment used, excluding mission common equipment, which remains on from lift-off to insertion. Equipment-on time may be any time from power transfer internal to lift-off.
103	Orbital Common 1 (Insertion-Deorbit)	Equipment used, excluding mission common equipment, which remains on from insertion to deorbit.
104	Orbital Common 1 (Orb Config-deorbit Prep)	Equipment used on-orbit, which changes status during orbital configuration and/or deorbit preparation, and does not change status from orbital configuration to deorbit preparation. (Long flights only).
105	Orbital Modes	Equipment required to remain in one mode of operation except when specific activities are being performed.
106	Descent (Deorbit-GSE)	Equipment, excluding mission common equipment, which remains on from deorbit to power transfer external.
107	Descent (Deorbit-Stoproll)	Equipment, excluding mission common and descent (deorbit-GSE) equipment which remains on from deorbit to stoproll.

PRECEDING PAGE BLANK NOT FILMED

TABLE B-I.- ACTIVITY BLOCK DEFINITIONS - Continued

<u>Number</u>	<u>Title</u>	<u>Definition</u>
150	DFI	Development flight instrumentation.
160	Orbital Common 2 (Insertion-Deorbit)	Equipment which is reconfigured on-orbit for long duration flights, but which remains on for short duration flights.
161	Orbital Common 2 (Orb Config-Deorbit Prep)	Equipment used on-orbit, which changes status during orbital configuration and/or deorbit preparation, and does not change status from orbital configuration to deorbit preparation. (Short flights only).
201	Ascent (GSE-MECO)	Equipment that is (a) on at lift-off and turned off prior to insertion or is (b) off at lift-off and turned on prior to MECO.
202	Ascent (MECO-Insertion)	Equipment that is (a) on at lift-off and turned off after MECO but prior to insertion or is (b) off at lift-off, turned on prior to insertion, and is on after MECO.
210	Prelaunch	Equipment that is used only between power transfer internal and lift-off.
301	OMS	All equipment required for OMS burns.

TABLE B-I.- ACTIVITY BLOCK DEFINITIONS - Continued

<u>Number</u>	<u>Title</u>	<u>Definition</u>
302	RCS (Automatic)	Equipment required for automatically controlled RCS maneuvers.
303	RCS (Manual)	Equipment required for manually controlled RCS maneuvers.
304	Postburn	Equipment that is required for either an OMS or RCS maneuver and that is reconfigured after the burn.
305	RCS (Attitude Control)	Equipment required to maintain attitude control on-orbit.
350	OMS (Insertion)	Equipment specifically required for the OMS insertion burn.
401	Orbital Configuration 1	Equipment which changes status in going from ascent to on-orbit and/or from on-orbit to descent during long duration flights.
402	Delta Day	Equipment that is on continuously when one, or more, crewman is awake.
403	Stationkeeping	Equipment required for stationkeeping, excluding OMS and RCS equipment.
404	IMU Alignment	Equipment required for IMU alignment, including the equipment that must be reconfigured.
405	Rendezvous	Equipment required for rendezvous, excluding OMS and RCS equipment.

TABLE B-I.- ACTIVITY BLOCK DEFINITIONS - Continued

<u>Number</u>	<u>Title</u>	<u>Definition</u>
406	Docking	Equipment required during docking, excluding RCS equipment (includes predocking and post-docking).
407	Undocking	Equipment required during undocking, excluding RCS equipment (includes preundocking and postundocking).
408	IVA	Equipment required for intra-vehicular activity.
409	EVA	Equipment required for extra-vehicular activity (includes pre-EVA).
410	Post EVA	Equipment power-down and/or reconfiguration from EVA.
411	TV (Crew)	Crew television operations as distinct from docking, undocking and payload television.
412	Eat	Equipment utilization peculiar to food preparation and eat period.
413	Waste Management	Equipment utilization peculiar to waste management periods.
414	Sleep (Pre and Post)	Equipment utilization peculiar to presleep and postsleep periods.
415	FC Purge	Equipment usage related to fuel cell purging.
416	Deorbit Prep 1	Equipment which changes status in going from on-orbit to descent during long duration missions.

TABLE B-I.- ACTIVITY BLOCK DEFINITIONS - Continued

<u>Number</u>	<u>Title</u>	<u>Definition</u>
417	PLB Doors (Open)	Equipment utilization peculiar to the opening of the payload bay doors.
418	PLB Doors (Close)	Equipment utilization peculiar to the closing of the payload bay doors.
460	Orbital Configuration 2	Equipment which changes status in going from ascent to on-orbit for short duration missions (equipment used during ascent only).
461	Deorbit Prep 2	Equipment which changes status in going from on-orbit to descent for short duration missions (equipment used during descent only).
501	APU (Ascent)	Equipment directly related to the auxiliary power unit as used during ascent.
502	Descent (Deorbit-400,000 feet)	Equipment which is (a) on at deorbit and turned off prior to stoproll, or is (b) off at deorbit and turned on prior to descent to 400,000 feet.
503	Descent (400,000 feet-Stoproll)	Equipment which is (a) on at deorbit and turned off after descent to 400,000 feet, or is (b) off at deorbit, turned on prior to stoproll, and is on after descent to 400,000 feet.
504	Postlanding (Stoproll-GSE)	Equipment that is (a) most easily relatable to stoproll (i.e., touchdown, 200 knots, etc.) or is (b) reconfigured after stoproll but prior to power transfer external.

TABLE B-I.- ACTIVITY BLOCK DEFINITIONS - Continued

<u>Number</u>	<u>Title</u>	<u>Definition</u>
505	APU (Descent)	Equipment directly related to the auxiliary power unit as used during on-orbit checkout and/or descent.
601	Cabin Heaters	Cabin heater usage.
602	Heaters 1	Baseline reference mission 1 heater usage.
603	Heaters 2	Baseline reference mission 2 heater usage.
604	Heaters 3A	Baseline reference mission 3A heater usage.
605	Heaters 3B	Baseline reference mission 3B heater usage.
650	Cryogenic Heaters 1/2	Cryogenic heater usage for BRM's 1 and 2.
651	Cryogenic Heaters 3A/3B	Cryogenic heater usage for BRM's 3A and 3B.
701	Payload Interface	Equipment that interfaces between the payload and the space shuttle systems, the usage of which is independent of payload operations, payload deployment, and payload retrieval.
702	Payload Deployment	Equipment specifically related to payload manipulation (i.e., manipulator operations, television, payload release, etc.).
703	Payload Retrieval	Equipment specifically related to payload manipulation (i.e., manipulator activation, manipulator maneuvering, payload television, etc).

TABLE B-I.- ACTIVITY BLOCK DEFINITIONS - Concluded

<u>Number</u>	<u>Title</u>	<u>Definition</u>
710	Payload Operations	Equipment required to perform payload management housekeeping, etc.
720	Payload Power	Lump total of payload power.
730	Mission 3A Peculiar	Equipment usage peculiar to mission 3A.
740	Mission 3B Peculiar	Equipment usage peculiar to mission 3B.
750	Mission 1 Peculiar	Equipment usage peculiar to mission 1.
760	Mission 2 Peculiar	Equipment usage peculiar to mission 2.

PRECEDING PAGE BLANK NOT FILMED

TABLE B-II.- ACTIVITY BLOCK USAGE GUIDE

Number	Title	On	Off	Remarks
101	Mission Common (GSE-GSE)	Lift-off	Power transfer external	
102	Ascent (GSE-Insertion)	Lift-off	Insertion	
103	Orbital Common 1 (Insertion-Deorbit)	Insertion	Deorbit	
104	Orbital Common 1 (Orb. Config-Deorb. Prep)	Orbital configuration off	Deorbit preparation on	Used with 401 and 416 for long duration flights
105	Orbital Modes	Orbital configuration off	Deorbit preparation on	Used with 401 and 416 for long duration flights
106	Descent (Deorbit-GSE)	Deorbit	Power transfer external	
107	Descent (Deorbit- Stoproll)	Deorbit	Stoproll	
150	DFI	Lift-off	Power transfer external	Used for development flights only
160	Orbital Common 2 (Insertion-Deorbit)	Insertion	Deorbit	Used for short duration flights only
161	Orbital Common 2 (Orb. Config-Deorb. Prep)	Orbital configuration off	Deorbit preparation on	Used with 460 and 461 for short duration flights
201	Ascent (GSE-MECO)	Lift-off	MECO	
202	Ascent (MECO-Insertion)	MECO	Insertion	
210	Pre-launch	Lift-off	Lift-off + 1 sec	

PRECEDING PAGE BLANK NOT FILMED

TABLE B-II.- ACTIVITY BLOCK USAGE GUIDE - (continued)

Number	Title	On	Off	Remarks
301	OMS	Burn time as specified in flight plan	End of burn	Used for single OMS or RCS burn (refs. 301, 302, & 303)
302	RCS (Automatic)	Burn time as specified in flight plan	End of burn	
303	RCS (Manual)	Burn time as specified in flight plan	End of burn	
304	Postburn	End of burn	On time + 30 Min	
	or	End of first burn	End of last burn + 30 min	Used for closely spaced multiple burns (refs. 301, 302, & 303)
305	RCS (Attitude Control)	Insertion	Deorbit	Used with 104 and 105 for long duration flights
350	OMS (Insertion)	Insertion burn time as specified in flight plan	Insertion	
401	Orbital Configuration 1	Insertion	Insertion + 60 min	
402	Delta Day	Orbital configuration off	Start of first sleep period as specified in flight plan	
	or	End of sleep period	Start of next sleep period	Long missions only

TABLE B-II.- ACTIVITY BLOCK USAGE GUIDE - (continued)

Number	Title	On	Off	Remarks
	or	End of final sleep period	Start of deorbit preparation	Last mission day-long missions only (used with 416)
403	Stationkeeping	As specified in flight plan	As specified in flight plan	
404	IMU Alignment	IMU alignment time as specified in flight plan	On time plus 25 min	
405	Rendezvous	As specified in flight plan	As specified in flight plan	
406	Docking	Specified docking time minus 10 min	Specified docking time plus 10 min	Mission peculiar
407	Undocking	Specified undocking time minus 10 min	Specified undocking time plus 10 min	Mission peculiar
408	IVA	Prior to start of payload refurbishment	End of payload refurbishment	
409	EVA	EVA start time	EVA end time	
410	Post EVA	EVA end time	On time + 24 hr (minimum)	Or on for duration of battery recharge
411	TV (Crew)	Start of crew television	End of crew television	
412	Eat	Eat time as specified in flight plan	End of specified eat period	
413	Waste Management	Posteat and postsleep	On time + 30 min	
	or	Posteat	On time + 5 min	

TABLE B-II.- ACTIVITY BLOCK USAGE GUIDE - (continued)

Number	Title	On	Off	Remarks
414	Sleep (Pre and Post)	Start of specified sleep period minus 30 min	Start of specified sleep period	Presleep
	or	End of specified sleep period	End of specified sleep period plus 30 min	Postsleep
415	FC Purge	Fuel cell purge start time	On time + 1 min	
416	Deorbit Prep. 1	Deorbit minus 60 min	Deorbit	Used with 104 and 105 for long duration flights
417	Payload Bay Doors (Open)	Payload bay doors open time as specified in flight plan	4'26" (minimum)	
418	Payload Bay Doors (Close)	Payload bay doors close time as specified in flight plan	4'26" (minimum)	
460	Orbital Configuration 2	Insertion	Insertion + 4 min (minimum)	Used with 161 for short duration flights
461	Deorbit Prep 2	Deorbit minus 30 min (minimum)	Deorbit	Used with 161 for short duration flights
501	APU (Ascent)	Lift-off	MECO + 5 min	
502	Descent (Deorbit-400K ft)	Deorbit	400,000 ft	
503	Descent (400K ft-Stoproll)	400,000 ft	Stoproll	

TABLE B-II.- ACTIVITY BLOCK USAGE GUIDE - (continued)

Number	Title	On	Off	Remarks
504	Postlanding (Stoproll-GSE)	Stoproll	Power transfer external	
505	APU (Descent)	Deorbit minus 17.5 min	Deorbit minus 15.0 min	On-orbit checkout
	or	400,000 ft	Stoproll + 1.0 min	
601	Cabin Heaters	Start of specified sleep period	End of specified sleep period	
602	Heaters 1	Lift-off	Descent to 400,000 ft	BRM 1 only
603	Heaters 2	Lift-off	Descent to 400,000 ft	BRM 2 only
604	Heaters 3A	Lift-off	Descent to 400,000 ft	BRM 3A only
605	Heaters 3B	Lift-off	Descent to 400,000 ft	BRM 3B only
650	Cryogenic Heaters 1/2	Lift-off	Power transfer external	BRM 1 & BRM 2
651	Cryogenic Heaters 3A/3B	Lift-off	Power transfer external	BRM 3A & BRM 3B
701	Payload Interface	Lift-off powerdown	Payload deployment or powerdown	Used when monitoring active payloads
	or	Payload retrieval or powerup	Power transfer external	Used when monitoring active payloads
	or	Docking	Undocking	Used when monitoring payloads during re- furbishment operations
702	Payload Deployment	As specified in flight plan	As specified in flight plan	

TABLE B-II.- ACTIVITY BLOCK USAGE GUIDE - (concluded)

Number	Title	On	Off	Remarks
703	Payload Retrieval	As specified in flight plan	As specified in flight plan	
710	Payload Operations	Start of payload check-out, management, etc.	End of payload checkout, management, etc.	
720	Payload Power	-	-	Presently undefined
730	Mission 3A Peculiar	Lift-off	Power transfer external	BRM 3A only
740	Mission 3B Peculiar	Lift-off	Power transfer external	BRM 3B only
750	Mission 1 Peculiar	Lift-off	Power transfer external	BRM 1 only
760	Mission 2 Peculiar	Lift-off	Power transfer external	BRM 2 only

C-1

APPENDIX C - ACTIVITY BLOCKS - EQUIPMENT UTILIZATION

APPENDIX C

ACTIVITY BLOCKS - EQUIPMENT UTILIZATION

The following guidelines should be used in interpreting the data contained within this appendix.

1. On/off times not specified - The component is on for the duration of the activity block.
2. On-time negative - The component is turned on at a specified interval prior to activity-block-on time.
3. On-time positive - The component is turned on at a specified interval after activity-block-on time.
4. Off-time negative - The component is turned off at a specified interval prior to activity-block-on time.
5. Off-time positive - The component is turned off at a specified interval after activity-block-on time.
6. Use factor equals 1.0 - The component draws rated power when on.
7. Use factor less than 1.0 - The component draws less than rated power when on, as specified (used for averaging power consumption over extended intervals).
8. Period - The interval of time for a cyclic component to come on, go off, and come back on again.
9. Decimal fraction on-time - The decimal fraction of the period during which the component is on.
10. Number of components (X/Y) - X specifies the number of components identified by the ID number. Y specifies the number of those components which are on during the given activity block.

PRECEDING PAGE BLANK NOT FILMED

11. Effectivity - Vehicle Effectivity

1 = OV101

2 = OV102

3 = OV103

4 = A11

5 = OV101 & OV102

6 = OV101 & OV103

7 = OV102 & OV103

8 = Kit

9 = TBD

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC				
					ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 101 - MISSION COMMON (GSE-GSE)</u>									
01010100 IMU #1 OPERATE	-0001000	-	1.0	-	-	1/1	4		
01050100 RATE GYRO ASSY-AFT#1	-0001000	-	1.0	-	-	1/1	1		
02080100 NETWORK SIG PROC #1	-0001000	-	1.0	-	-	1/1	7		
02100100 CNTRL CNTRL UNIT AUDIO	-0001000	-	1.0	-	-	1/1	7		
02160000 S-BAND ANT SW ASSY	-0001000	-	1.0	-	-	1/1	7		
02180000 S-BAND SWITCH (COAXIAL)	-0001000	-	1.0	-	-	1/1	7		
02390100 DOPPLER EXTRACTOR #1	-0001000	-	1.0	-	-	1/1	7		
02420100 AUDIO TERM UNIT-PILOT	-0001000	-	1.0	-	-	1/1	7		
02420200 AUDIO TERM UNIT-CMDR	-0001000	-	1.0	-	-	1/1	7		
02420300 AUDIO TERM UNIT-MSS	-0001000	-	1.0	-	-	1/1	7		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COHP	EPF	REMARKS
	ON	OFF	USE	PERIOD	DEC	FRAC			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 101 - MISSION COMMON (GSE-GSE)</u>									
02420400 AUDIO TERM UNIT-PSS	-0001000	-	1.0	-	-		1/1	7	
03150000 CAUTION & WARNING UNIT	-0001000	-	1.0	-	-		1/1	4	
03170100 MISSION TIMER #1	-0001000	-	1.0	-	-		1/1	7	
03170200 MISSION TIMER #2	-0001000	-	1.0	-	-		1/1	7	
03420100 CABIN FLOODLIGHTS-AFT	-0001000	-	1.0	-	-		2/1	4	
03420400 CNTR CNSL FLDLT	-0001000	-	1.0	-	-		1/1	4	
03420600 PLT CNSL FLDLTS-LFT	-0001000	-	1.0	-	-		1/1	4	
03420700 PLT CNSL FLDLTS-RHT	-0001000	-	1.0	-	-		1/1	7	
04030100 PCM MASTER UNIT (DACBU) #1	-0001000	-	1.0	-	-		1/1	4	
04050100 SIG COND UNIT - PRD#1	-0001000	-	1.0	-	-		1/1	4	

TABLE C-1.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC	FRAC			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 101 - MISSION COMEON (GSE-GSE)</u>									
04050200 SIG COND UNIT - FWD#2	-0001000	-	1.0	-	-		1/1	4	
04050300 SIG COND UNIT - FWD#3	-0001000	-	1.0	-	-		1/1	7	
04060100 SIG COND UNIT - AFT#1	-0001000	-	1.0	-	-		1/1	4	
04060200 SIG COND UNIT - AFT#2	-0001000	-	1.0	-	-		1/1	4	
04060300 SIG COND UNIT - AFT#3	-0001000	-	1.0	-	-		1/1	4	
04070000 LOOP RECORDER	-0001000	-	1.0	-	-		1/1	7	
04090010 MASTER TIMING UNIT-OPR	-0001000	-	1.0	-	-		1/1	4	
04120100 SIG COND UNIT-OMS/RCS#1	-0001000	-	1.0	-	-		1/1	7	
04120200 SIG COND UNIT-OMS/RCS#2	-0001000	-	1.0	-	-		1/1	7	
04130000 SIG COND UNIT-MID FUS	-0001000	-	1.0	-	-		1/1	7	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	BFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 101 - MISSION COMMON (GSE-GSE)</u>									
04140000 SIG COND UNIT-FWD RCS	-0001000	-	1.0	-	-	1/1	7		
06040100 LOAD CNTLR ASSY-FWD#1	-0001000	-	.20	-	-	1/1	7		
06040200 LOAD CNTLR ASSY-FWD#2	-0001000	-	.20	-	-	1/1	7		
06040300 LOAD CNTLR ASSY-FWD#3	-0001000	-	.20	-	-	1/1	7		
06050100 LOAD CNTLR ASSY-AFT#1	-0001000	-	.20	-	-	1/1	7		
06050200 LOAD CNTLR ASSY-AFT#2	-0001000	-	.20	-	-	1/1	7		
06050300 LOAD CNTLR ASSY-AFT#3	-0001000	-	.20	-	-	1/1	7		
06060100 DC PWR CNTLR ASSY-FWD #1	-0001000	-	.33	-	-	1/1	7		
06060200 DC PWR CNTLR ASSY-FWD #2	-0001000	-	.33	-	-	1/1	7		
06060300 DC PWR CNTLR ASSY-FWD #3	-0001000	-	.33	-	-	1/1	7		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EPF	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC	ON TIME			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	(0-1.0)				
<u>ACTIVITY BLOCK: 101 - MISSION COMMON (GSE-GSE)</u>									
06070100 DC PWR CNTLR ASSY-AFT #1	-0001000	-	.33	-	-	1/1	7		
06070200 DC PWR CNTLR ASSY-AFT #2	-0001000	-	.33	-	-	1/1	7		
06070300 DC PWR CNTLR ASSY-AFT #3	-0001000	-	.33	-	-	1/1	7		
06080100 MAIN DC DIST&CNTL ASSY#1	-0001000	-	.33	-	-	1/1	7		
06080200 MAIN DC DIST&CNTL ASSY#2	-0001000	-	.33	-	-	1/1	7		
06080300 MAIN DC DIST&CNTL ASSY#3	-0001000	-	.33	-	-	1/1	7		
06101100 INV DIST & CNTL ASSY #1	-0001000	-	.50	-	-	1/1	7		
06101200 INV DIST & CNTL ASSY #2	-0001000	-	.50	-	-	1/1	7		
06101300 INV DIST & CNTL ASSY #3	-0001000	-	.50	-	-	1/1	7		
06102100 INV DIST & CNTL ASSY #1	-0001000	-	.50	-	-	1/1	7		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 101 - MISSION COMMON (GSE-GSE)</u>									
06102200 INV DIST & CNTL ASSY #2	-0001000	-	.50	-	-	1/1	7		
06102300 INV DIST & CNTL ASSY #3	-0001000	-	.50	-	-	1/1	7		
06120100 DC PWR CNTLR ASSY-MID #1	-0001000	-	.33	-	-	1/1	7		
06120200 DC PWR CNTLR ASSY-MID #2	-0001000	-	.33	-	-	1/1	7		
06120300 DC PWR CNTLR ASSY-MID #3	-0001000	-	.33	-	-	1/1	7		
07010100 COMPUTER #1	-0001000	-	1.0	-	-	1/1	4		
07010200 COMPUTER #2	-0001000	-	1.0	-	-	1/1	4		
07030100 MDM FF1	-0001000	-	1.0	-	-	1/1	4		
07030200 MDM FF2	-0001000	-	1.0	-	-	1/1	4		
07040100 MDM FA1	-0001000	-	1.0	-	-	1/1	4		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC				
					ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 101 - MISSION COMMON (GSE-GSE)</u>									
07040300 MDM FA3 & FA4	-0001000	-	1.0	-	-	2/1	4		
07090110 MASS MEM #1 (TAPE) STBY	-0001000	-	1.0	-	-	1/1	4		
07100100 MDM OFI 1	-0001000	-	1.0	-	-	1/1	4		
07100200 MDM OFI 2	-0001000	-	1.0	-	-	1/1	4		
07100300 MDM OFI 3	-0001000	-	1.0	-	-	1/1	4		
07100400 MDM OFI 4	-0001000	-	1.0	-	-	1/1	4		
07110100 MDM OAI-1	-0001000	-	1.0	-	-	1/1	4		
07110200 MDM OAI-2	-0001000	-	1.0	-	-	1/1	4		
07110300 MDM OAI-3	-0001000	-	1.0	-	-	1/1	4		
21210000 VALVE POSITION IND	-0001000	-	1.0	-	-	16/16	7		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC				
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 101 - MISSION COMMON (GSE-GSE)</u>									
30030100 H2O RELIEF VENT HTR#1	-0001000	-	1.0	-	-	1/1	4		
30040100 FCP #1 CNTL&FLOWMETERS	-0001000	-	1.0	-	-	1/1	4		
30040200 FCP #2 CNTL&FLOWMETERS	-0001000	-	1.0	-	-	1/1	4		
30040300 FCP #3 CNTL&FLOWMETERS	-0001000	-	1.0	-	-	1/1	4		
30050100 FCP #1 PUMP & H2O SENSOR	-0001000	-	1.0	-	-	1/1	4		
30050200 FCP #2 PUMP & H2O SENSOR	-0001000	-	1.0	-	-	1/1	4		
30050300 FCP #3 PUMP & H2O SENSOR	-0001000	-	1.0	-	-	1/1	4		
31030100 SIG COND QNTY #1	-0001000	-	1.0	-	-	1/1	7		
31030200 SIG COND QNTY #2	-0001000	-	1.0	-	-	1/1	7		
31030300 SIG COND QNTY #3 & #4	-0001000	-	1.0	-	-	2/2	7		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFP	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC	ON TIME			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	(0-1.0)				
<u>ACTIVITY BLOCK: 101 - MISSION COMMON (GSE-GSE)</u>									
32080100 FUEL QNTY GAGE #1	-0001000	-	1.0	-	-	1/1	4		
32080200 FUEL QNTY GAGE #2	-0001000	-	1.0	-	-	1/1	4		
32080300 FUEL QNTY GAGE #3	-0001000	-	1.0	-	-	1/1	4		
40010100 CABIN FAN #1	-0001000	-	1.0	-	-	1/1	7		
40020100 WATER PUMP PKG PRI A	-0001000	-	1.0	-	-	1/1	4		
40030000 CABIN PRESS CNTL SYSTEM	-0001000	-	1.0	-	-	1/1	7		
40050100 AVIONIC FAN - BAY 1A	-0001000	-	1.0	-	-	1/1	4		
40050300 AVIONIC FAN - BAY 2A	-0001000	-	1.0	-	-	1/1	4		
40050500 AVIONIC FAN - BAY 3A	-0001000	-	1.0	-	-	1/1	4		
40060100 WATER SEP - ARS #1	-0001000	-	1.0	-	-	1/1	4		

TABLE C-1.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 101 - MISSION COMMON (GSE-GSE)</u>									
40080000 INSTR & CNTLS (ARS)	-0001000	-	1.0	-	-	1/1	4		
40090100 IMU HX ASSEMBLY FAN #1	-0001000	-	1.0	-	-	1/1	4		
40130000 DUMP NOZZLE-WATER	-0001000	-	1.0	-	-	1/1	7		
40141000 INST & CNTLS - H2O	-0001000	-	1.0	-	-	1/1	7		
40142000 INST & CNTLS - H2O	-0001000	-	1.0	-	-	1/1	7		
40180000 DUMP NOZZLE-URINE	-0001000	-	1.0	-	-	1/1	7		
40190000 INST & CNTLS (WASTE)	-0001000	-	1.0	-	-	1/1	7		
40200100 SMOKE DET SNSR-FLT/MID	-0001000	-	1.0	-	-	2/2	4		
40200200 SMOKE DET SNSR-BAY A1	-0001000	-	1.0	-	-	2/2	4		
40200300 SMOKE DET SNSR-BAY A2	-0001000	-	1.0	-	-	2/2	4		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF CONF	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC				
					ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 101 - MISSION COMMON (GSE-GSE)</u>									
40200400 SHOKE DET SNSR-BAY A3	-0001000	-	1.0	-	-		2/2	4	
50160100 H2O BOILER #1 QNTY GAGE	-0001000	-	1.0	-	-		1/1	4	
50160200 H2O BOILER #2 QNTY GAGE	-0001000	-	1.0	-	-		1/1	4	
50160300 H2O BOILER #3 QNTY GAGE	-0001000	-	1.0	-	-		1/1	4	
50170000 ELEV ACT SW VLV PCS	-0001000	-	1.0	-	-		8/8	4	
50180100 RUD/SPDBRK ACT VLV POS-1	-0001000	-	1.0	-	-		1/1	4	
50180200 RUD/SPDBRK ACT VLV POS-2	-0001000	-	1.0	-	-		1/1	4	
50190000 TVC ACT SW VLV POS	-0001000	-	1.0	-	-		12/12	7	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC				
					ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 102 - ASCENT (GSE-INSERTION)</u>									
01010200 IMU#2 - OPERATE	-0001000	-	1.0	-	-	1/1	4		
01010300 IMU#3 - OPERATE	-0001000	-	1.0	-	-	1/1	4		
01050200 RATE GYRO ASSY-AFT #2	-0001000	-	1.0	-	-	1/1	4		
01050300 RATE GYRO ASSY-AFT #3	-0001000	-	1.0	-	-	1/1	4		
01080100 ASCENT TVC DRVR #1-AFT	-0001000	-	1.0	-	-	1/1	7		
01080200 ASCENT TVC DRVR #2-AFT	-0001000	-	1.0	-	-	1/1	7		
01080300 ASCENT TVC DRVR #3-AFT	-0001000	-	1.0	-	-	1/1	7		
01090100 AERO SRF SRV AMP#1-AFT	-0001000	-	1.0	-	-	1/1	4		
01090200 AERO SRF SRV AMP#2-AFT	-0001000	-	1.0	-	-	1/1	4		
01090300 AERO SRF SRV AMP#3/4-AFT	-0001000	-	1.0	-	-	2/2	4		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 102 - ASCENT (GSE-INSERTION)</u>									
01140100 ACCEL ASSY-FWD #1	-0001000	-	1.0	-	-	1/1	4		
01140200 ACCEL ASSY-FWD #2	-0001000	-	1.0	-	-	1/1	4		
01140300 ACCEL ASSY-FWD #3	-0001000	-	1.0	-	-	1/1	4		
01170100 ROT HAND CONTLR-RH	-0001000	-	1.0	-	-	1/1	4		
01170200 ROT HAND CONTLR-LH	-0001000	-	1.0	-	-	1/1	4		
01170300 ROT HAND CONTLR-PSS	-0001000	-	1.0	-	-	1/1	7		
01180100 RUD PDL XDUCER ASSY-RH	-0001000	-	1.0	-	-	1/1	4		
01180200 RUD PDL XDUCER ASSY-LH	-0001000	-	1.0	-	-	1/1	4		
01190100 SPD BRK THRST CNTLR-RH	-0001000	-	1.0	-	-	1/1	4		
01190200 SPD BRK THRST CNTLR-LH	-0001000	-	1.0	-	-	1/1	4		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF CONP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC				
					ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 102 - ASCENT (GSE-INSERTION)</u>									
02110100 S-BAND FM XMTR #1	-0001000	-	1.0	-	-		1/1	7	
02120000 S-BAND FM SIGNAL PROC	-0001000	-	1.0	-	-		1/1	7	
02130100 S-BAND TRANSPONDER #1	-0001000	-	1.0	-	-		1/1	7	
02140000 S-BAND POWER AMP ASSY	-0001000	-	1.0	-	-		1/1	7	
02150000 S-BAND PRE AMP ASSY	-0001000	-	1.0	-	-		1/1	7	
02170100 TACAN #1	-0001000	-	1.0	-	-		1/1	4	
02190100 MSBLS DECODER ASSY #1	-0001000	-	1.0	-	-		1/1	4	
02200100 MSBLS RF ASSY #1	-0001000	-	1.0	-	-		1/1	4	
02210100 RADAR ALTIMETER #1	-0001000	-	1.0	-	-		1/1	4	
02560020 EVA/ATC TRANS-XMIT	-0001000	-	.39	-	-		1/1	7	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC	FRAC			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 102 - ASCENT (GSE-INSERTION)</u>									
03010100 ATT DIR IND-FWD RH	-0001000	-	1.0	-	-		1/1	4	
03010200 ATT DIR IND-FWD LH	-0001000	-	1.0	-	-		1/1	4	
03020100 HORIZ SIT IND #1	-0001000	-	1.0	-	-		1/1	4	
03030100 AS/MACH INDICATOR #1	-0001000	-	1.0	-	-		1/1	4	
03030200 AS/MACH INDICATOR #2	-0001000	-	1.0	-	-		1/1	4	
03040100 AS/MACH ELECT UNIT #1	-0001000	-	1.0	-	-		1/1	4	
03040200 AS/MACH ELECT UNIT #2	-0001000	-	1.0	-	-		1/1	4	
03050100 ALT VER VEL IND #1	-0001000	-	1.0	-	-		1/1	4	
03050200 ALT VER VEL IND #2	-0001000	-	1.0	-	-		1/1	4	
03060100 ALT VER VEL ELECT UNIT#1	-0001000	-	1.0	-	-		1/1	4	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	USAGE							NO. OF COMP	EFF	REMARKS
	TIME		USE FACTOR (0-1.0)	PERIOD (HHMMSS)	CYCLIC		DEC FRAC ON TIME (0-1.0)			
	ON (HHMMSS)	OFF (HHMMSS)								
<u>ACTIVITY BLOCK: 102 - ASCENT (GSE-INSERTION)</u>										
03060200 ALT VER VEL ELECT UNIT#2	-0001000	-	1.0	-	-	-	1/1	4		
03070100 TAPE METER (ASC-ENT)	-0001000	-	1.0	-	-	-	1/1	7		
03070200 TAPE METER (ASC)	-0001000	-	1.0	-	-	-	2/2	7		
03070300 TAPE METER (ASC-ENT)	-0001000	-	1.0	-	-	-	3/3	7		
03070400 TAPE METER (ASC)	-0001000	-	1.0	-	-	-	1/1	7		
03070500 TAPE METER (ASC)	-0001000	-	1.0	-	-	-	1/1	7		
03130000 SURF POSIT IND	-0001000	-	1.0	-	-	-	1/1	4		
03140000 OMS/RCS PROP QTY IND	-0001000	-	1.0	-	-	-	1/1	7		
03180100 EVENT TIMER #1	-0001000	-	1.0	-	-	-	1/1	7		
03220100 DISP DRVR UNIT-CRW FWD1	-0001000	-	1.0	-	-	-	1/1	4		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC				
	(HH MMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 102 - ASCENT (E-INSERTION)</u>									
03220200 DISP DRVr UNIT-CRW FWD2	-0001000	-	1.0	-	-	1/1	4		
03220300 DISP DRVr UNIT-CRW AFT3	-0001000	-	1.0	-	-	1/1	7		
03270100 CRT DISPLAY UNIT #1	-0001000	-	1.0	-	-	1/1	4		
03270200 CRT DISPLAY UNIT #2	-0001000	-	1.0	-	-	1/1	4		
03270300 CRT DISPLAY UNIT #3	-0001000	-	1.0	-	-	1/1	4		
03270400 CRT DISPLAY UNIT #4	-0001000	-	1.0	-	-	1/1	7		
03280100 DISPLAY ELECT UNIT #1	-0001000	-	1.0	-	-	1/1	4		
03280200 DISPLAY ELECT UNIT #2	-0001000	-	1.0	-	-	1/1	4		
03280300 DISPLAY ELECT UNIT #3	-0001000	-	1.0	-	-	1/1	4		
03280400 DISPLAY ELECT UNIT #4	-0001000	-	1.0	-	-	1/1	7		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC	FRAC			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 102 - ASCENT (GSE-INSERTION)</u>									
03310100 INT LTS-LEFT/CNTR	-0001000	-	1.0	-	-		1/1	4	
03310200 INT LTS-OVHD	-0001000	-	1.0	-	-		1/1	4	
03310300 INT LTS-RIGHT	-0001000	-	1.0	-	-		1/1	4	
03310400 INT LTS - REAR	-0001000	-	1.0	-	-		1/1	4	
03420100 CABIN FLOODLIGHTS-AFT	-0001000	-	1.0	-	-		2/2	4	
03420200 GLARESHIELD FLDLT-LEFT	-0001000	-	1.0	-	-		1/1	7	
03420300 GLARESHIELD FLDLT-RIGHT	-0001000	-	1.0	-	-		1/1	7	
03730100 ANNUN LTS - LEFT/CNTR	-0001000	-	1.0	-	-		1/1	4	
03730200 ANNUN LTS - OVHD	-0001000	-	1.0	-	-		1/1	7	
03730300 ANNUN LTS - RIGHT	-0001000	-	1.0	-	-		1/1	7	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC	ON TIME			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	(0-1.0)	(0-1.0)			
<u>ACTIVITY BLOCK: 102 - ASCENT (GSE-INSERTION)</u>									
04040000 MAINT RECORDER	-0001000	-	1.0	-	-	-	1/1	4	
06020100 PYRO EVENT CNTLR-FWD #1	-0001000	-	1.0	-	-	-	1/1	7	
06020200 PYRO EVENT CNTLR-FWD #2	-0001000	-	1.0	-	-	-	1/1	7	
06030100 MASTER EVENT CNTLR-AFT#1	-0001000	-	1.0	-	-	-	1/1	7	
06030200 MASTER EVENT CNTLR-AFT#2	-0001000	-	1.0	-	-	-	1/1	7	
06040100 LOAD CNTLR ASSY-FWD #1	-0001000	-	.33	-	-	-	1/1	7	
06040200 LOAD CNTLR ASSY-FWD #2	-0001000	-	.33	-	-	-	1/1	7	
06040300 LOAD CNTLR ASSY-FWD #3	-0001000	-	.33	-	-	-	1/1	7	
06050100 LOAD CNTLR ASSY-AFT #1	-0001000	-	.33	-	-	-	1/1	7	
06050200 LOAD CNTLR ASSY-AFT #2	-0001000	-	.33	-	-	-	1/1	7	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	BPF	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC	ON TIME			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	(0-1.0)				
<u>ACTIVITY BLOCK: 102 - ASCENT (GSE-INSERTION)</u>									
06050300 LOAD CNTLR ASSY-AFT #3	-0001000	-	.33	-	-	1/1	7		
06060100 DC PWR CNTLR ASSY-FWD #1	-0001000	-	.50	-	-	1/1	7		
06060200 DC PWR CNTLR ASSY-FWD #2	-0001000	-	.50	-	-	1/1	7		
06060300 DC PWR CNTLR ASSY-FWD #3	-0001000	-	.50	-	-	1/1	7		
06070100 DC PWR CNTLR ASSY-AFT #1	-0001000	-	.50	-	-	1/1	7		
06070200 DC PWR CNTLR ASSY-AFT #2	-0001000	-	.50	-	-	1/1	7		
06070300 DC PWR CNTLR ASSY-AFT #3	-0001000	-	.50	-	-	1/1	7		
06080100 MAIN DC DIST&CNTL ASSY#1	-0001000	-	1.0	-	-	1/1	7		
06080200 MAIN DC DIST&CNTL ASSY#2	-0001000	-	1.0	-	-	1/1	7		
06080300 MAIN DC DIST&CNTL ASSY#3	-0001000	-	1.0	-	-	1/1	7		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	BPF	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC	ON TIME			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	(0-1.0)				
<u>ACTIVITY BLOCK: 102 - ASCENT (GSE-INSERTION)</u>									
06101100 INV DIST & CNTL ASSY #1	-0001000	-	1.0	-	-	-	1/1	7	
06101200 INV DIST & CNTL ASSY #2	-0001000	-	1.0	-	-	-	1/1	7	
06101300 INV DIST & CNTL ASSY #3	-0001000	-	1.0	-	-	-	1/1	7	
06102100 INV DIST & CNTL ASSY #1	-0001000	-	1.0	-	-	-	1/1	7	
06102200 INV DIST & CNTL ASSY #2	-0001000	-	1.0	-	-	-	1/1	7	
06102300 INV DIST & CNTL ASSY #3	-0001000	-	1.0	-	-	-	1/1	7	
06120100 DC PWR CNTLR ASSY-MID #1	-0001000	-	1.0	-	-	-	1/1	7	
06120200 DC PWR CNTLR ASSY-MID #2	-0001000	-	1.0	-	-	-	1/1	7	
06120300 DC PWR CNTLR ASSY-MID #3	-0001000	-	1.0	-	-	-	1/1	7	
07010300 COMPUTER	-0001000	-	1.0	-	-	-	1/1	4	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC	FRAC			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 102 - ASCENT (GSE-INSERTION)</u>									
07010400 COMPUTER #4	-0001000	-	1.0	-	-		1/1	4	
J7010500 COMPUTER #5	-0001000	-	1.0	-	-		1/1	4	
07030300 MDM FF3	-0001000	-	1.0	-	-		1/1	4	
07040200 MDM FA2	-0001000	-	1.0	-	-		1/1	4	
07040300 MDM FA3 & FA4	-0001000	-	1.0	-	-		2/2	4	
07090210 MASS MEM #2 (TAPE) STBY	-0001000	-	1.0	-	-		1/1	4	
07150100 ENG INTERFACE UNIT #1	-0001000	-	1.0	-	-		1/1	7	
07150200 ENG INTERFACE UNIT #2	-0001000	-	1.0	-	-		1/1	7	
07150300 ENG INTERFACE UNIT #3	-0001000	-	1.0	-	-		1/1	7	
20010100 MAIN ENG CNTLR #1	-0001000	-	1.0	-	-		1/1	7	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC				
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 102 - ASCENT (GSE-INSERTION)</u>									
20010200 MAIN ENG CNTLR #2	-0001000	-	1.0	-	-	1/1	7		
20010300 MAIN ENG CNTLR #3	-0001000	-	1.0	-	-	1/1	7		
20030100 LO2 PRVLV SOL #1	-0001000	-	1.0	-	-	2/1	7		
20030200 LO2 PRVLV SOL #2	-0001000	-	1.0	-	-	2/1	7		
20030300 LO2 PRVLV SOL #3	-0001000	-	1.0	-	-	2/1	7		
20040100 LH2 PRVLV SOL #1	-0001000	-	1.0	-	-	2/1	7		
20040200 LH2 PRVLV SOL #2	-0001000	-	1.0	-	-	2/1	7		
20040300 LH2 PRVLV SOL #3	-0001000	-	1.0	-	-	2/1	7		
20050000 LO2 F&D VLV #1 (O/B) SOL	-0001000	-	1.0	-	-	2/1	7		
20060000 LO2 F&D VLV #2 (O/B) SOL	-0001000	-	1.0	-	-	2/1	7		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC	ON TIME			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	(0-1.0)				
<u>ACTIVITY BLOCK: 102 - ASCENT (GSF INSERTION)</u>									
20070100									
LH2 FED VLV #1 (O/B) SOL	-0001000	-	1.0	-	-		1/1	7	
20080100									
LH2 FED VLV #2 (O/B) SOL	-0001000	-	1.0	-	-		1/1	7	
20110100									
ET/ORB LO2 FEED DISC SOV	-0001000	-	1.0	-	-		1/1	7	
20120200									
ET/ORB LH2 FEED DISC SOV	-0001000	-	1.0	-	-		1/1	7	
20130100									
ET/ORB RECIRC DISC SOV	-0001000	-	1.0	-	-		1/1	7	
20210100									
ENG HE SUPPLY ISO SOL#1	-0001000	-	1.0	-	-		2/2	7	
20210200									
ENG HE SUPPLY ISO SOL#2	-0001000	-	1.0	-	-		2/2	7	
20210300									
ENG HE SUPPLY ISO SOL#3	-0001000	-	1.0	-	-		2/2	7	
20220100									
VEH HE SUPPLY ISO SOL#1	-0001000	-	1.0	-	-		1/1	7	
20220200									
VEH HE SUPPLY ISO SOL#2	-0001000	-	1.0	-	-		1/1	7	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC	FRAC			
					ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 102 - ASCENT (GSE-INSERTION)</u>									
20270100 ET ULLAGE SIG CND PKG#1	-0001000	-	1.0	-	-		1/1	7	
20270200 ET ULLAGE SIG CND PKG#2	-0001000	-	1.0	-	-		1/1	7	
20270300 ET ULLAGE SIG CND PKG#3	-0001000	-	1.0	-	-		1/1	7	
20280000 POINT SENSOR ELECT	-0001000	-	1.0	-	-		1/1	7	
21080100 ENG GMBL ACT PITCH #1-LP	-0001000	-	1.0	-	-		1/1	7	
21080200 ENG GMBL ACT PITCH #1-RP	-0001000	-	1.0	-	-		1/1	7	
21080300 ENG GMBL ACT PITCH #2-LP	-0001000	-	1.0	-	-		1/1	7	
21080400 ENG GMBL ACT PITCH #2-RP	-0001000	-	1.0	-	-		1/1	7	
21090100 ENG GMBL ACT YAW #1-LP	-0001000	-	1.0	-	-		1/1	7	
21090200 ENG GMBL ACT YAW #1-RP	-0001000	-	1.0	-	-		1/1	7	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 102 - ASCENT (GSE-INSERTION)</u>									
21090300 ENG GMBL ACT YAW #2-LP	-0001000	-	1.0	-	-	1/1	7		
21090400 ENG GMBL ACT YAW #2-RP	-0001000	-	1.0	-	-	1/1	7		
21240100 QNTY GAGE PROBE #1	-0001000	-	1.0	-	-	1/1	7		
21240200 QNTY GAGE PROBE #2	-0001000	-	1.0	-	-	1/1	7		
21240300 QNTY GAGE PROBE #3 & #4	-0001000	-	1.0	-	-	1/1	7		
40290100 FREON PUMP LP1-A ASC	-0001000	-	1.0	-	-	1/1	4		
40290300 FREON PUMP LP2-A ASC	-0001000	-	1.0	-	-	1/1	4		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC				
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 103 - ORBITAL COMMON 1 (INSERTION - DEORBIT)</u>									
01120100 REAC JET OMS DRVR #1-AFT	-	-	1.0	-	-	1/1	7		
01120200 REAC JET OMS DRVR #2-AFT	-	-	1.0	-	-	1/1	7		
02110100 S-BAND FM XMTR #1	-	-	.05	-	-	1/1	7		
02120000 S-BAND FM SIGNAL PROC	-	-	.05	-	-	1/1	7		
02130100 S-BAND TRANSPONDER #1	-	-	.05	-	-	1/1	7		
02140000 S-BAND POWER AMP ASSY	-	-	.05	-	-	1/1	7		
02150000 S-BAND PRE AMP ASSY	-	-	.05	-	-	1/1	7		
02420700 AUDIO TERM UNIT-MID #1	-	-	1.0	-	-	1/1	7		
02420800 AUDIO TERM UNIT-MID #2	-	-	1.0	-	-	1/1	7		
03120000 CROSS POINTER IND	-	-	.05	-	-	1/1	7		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC	ON TIME			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	(0-1.0)				
<u>ACTIVITY BLOCK: 103 - ORBITAL COMMON 1 (INSERTION - DEORBIT)</u>									
04040000 MAINT RECORDER	-	-	.02	-	-	-	1/1	4	
40280190 FLASH EVAPORATOR ELEC #1	-	-	1.0	-	-	-	1/1	7	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC	FRAC			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 104 - ORBITAL COMMON 1 (ORB CONFIG-DEORB PREP)</u>									
01010310 IMU #3 STANDBY	-	-	1.0	-	-		1/1	4	
01110100 REACTION JET DRVR #1 FWD	-	-	1.0	-	-		1/1	7	
01110200 REACTION JET DRVR #2 FWD	-	-	1.0	-	-		1/1	7	
03010100 ATTITUDE DIR IND-FWD RH	-	-	.05	-	-		1/1	4	
03010200 ATTITUDE DIR IND-FWD LH	-	-	.05	-	-		1/1	4	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFP	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC	ON TIME			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	(0-1.0)				
<u>ACTIVITY BLOCK: 105 - ORBITAL MODES</u>									
01010210 IMU #2 STANDBY	-	-	1.0	-	-	1/1	4		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC				
					ON TIME (0-1.0)	FRAC			
<u>ACTIVITY BLOCK: 106 - DESCENT (DEORBIT - GSE)</u>									
01010200 IMU #2 OPERATE	-	-	1.0	-	-	1/1	4		
01010300 IMU #3 OPERATE	-	-	1.0	-	-	1/1	4		
01180100 RUD PDL XDUCER ASSY-RH	-	-	1.0	-	-	1/1	4		
01180200 RUD PDL XDUCER ASSY-LH	-	-	1.0	-	-	1/1	4		
01190100 SPD BRK THRST CNTLR-RH	-	-	1.0	-	-	1/1	4		
01190200 SPD BRK THRST CNTLR-LH	-	-	1.0	-	-	1/1	4		
02110100 S-BAND FM XMTR #1	-	-	1.0	-	-	1/1	7		
02120000 S-BAND FM SIGNAL PROC	-	-	1.0	-	-	1/1	7		
02130100 S-BAND TRANSPONDER #1	-	-	1.0	-	-	1/1	7		
02140000 S-BAND POWER AMP ASSY	-	-	1.0	-	-	1/1	7		

C-35

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC	FRAC			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 106 - DESCENT (DEORBIT - GSE)</u>									
02150000 S-BAND PRE AMP ASSY	-	-	1.0	-	-		1/1	7	
02560020 EVA/ATC TRANS-XMIT	-	-	.39	-	-		1/1	7	
03180100 EVENT TIMER#1	-	-	1.0	-	-		1/1	7	
03220100 DISP DRVR UNIT-CRW FWD 1	-	-	1.0	-	-		1/1	4	
03220200 DISP DRVR UNIT-CRW FWD 2	-	-	1.0	-	-		1/1	4	
03220300 DISP DRVR UNIT-CRW APT 3	-	-	1.0	-	-		1/1	7	
03270100 CRT DISPLAY UNIT #1	-	-	1.0	-	-		1/1	4	
03270200 CRT DISPLAY UNIT #2	-	-	1.0	-	-		1/1	4	
03270300 CRT DISPLAY UNIT #3	-	-	1.0	-	-		1/1	4	
03270400 CRT DISPLAY UNIT #4	-	-	1.0	-	-		1/1	7	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC	FRAC			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 106 - DESCENT (DEORBIT - GSE)</u>									
03280100 DISPLAY ELECT UNIT #1	-	-	1.0	-	-		1/1	4	
03280200 DISPLAY ELECT UNIT #2	-	-	1.0	-	-		1/1	4	
03280300 DISPLAY ELECT UNIT #3	-	-	1.0	-	-		1/1	4	
03280400 DISPLAY ELECT UNIT #4	-	-	1.0	-	-		1/1	7	
03310100 INT LTS - LEFT/CNTR	-	-	1.0	-	-		1/1	4	
03310200 INT LTS - OVHD	-	-	1.0	-	-		1/1	4	
03310300 INT LTS - RIGHT	-	-	1.0	-	-		1/1	4	
03310400 INT LTS - REAR	-	-	1.0	-	-		1/1	4	
03420100 CABIN FLOODLIGHTS-APT	-	-	1.0	-	-		2/2	4	
03420200 GLARESHIELD FLDLTS-LEFT	-	-	1.0	-	-		1/1	7	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	GSE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC	FRAC			
					ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 106 - DESCENT (DEORBIT - GSE)</u>									
03420300 GLARESHIELD FLDLTS-RIGHT	-	-	1.0	-	-		1/1	7	
03730100 ANNUN LTS - LEFT/CNTR	-	-	1.0	-	-		1/1	4	
03730200 ANNUN LTS - OVHD	-	-	1.0	-	-		1/1	7	
03730300 ANNUN LTS - RIGHT	-	-	1.0	-	-		1/1	7	
04040000 MAINT RECORDER	-	-	1.0	-	-		1/1	4	
06020100 PYRO EVENT CNTLR-FWD #1	-	-	1.0	-	-		1/1	7	
06020200 PYRO EVENT CNTLR-FWD #2	-	-	1.0	-	-		1/1	7	
06030100 MASTER EVENT CNTLR-AFT#1	-	-	1.0	-	-		1/1	7	
06030200 MASTER EVENT CNTLR-AFT#2	-	-	1.0	-	-		1/1	7	
06040100 LOAD CNTLR ASSY - FWD #1	-	-	.33	-	-		1/1	7	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	BFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 106 - DESCENT (DEORBIT - GSE)</u>									
06040200 LOAD CNTLR ASSY - FWD #2	-	-	.33	-	-	1/1	7		
06040300 LOAD CNTLR ASSY - FWD #3	-	-	.33	-	-	1/1	7		
06050100 LOAD CNTLR ASSY - APT #1	-	-	.33	-	-	1/1	7		
06050200 LOAD CNTLR ASSY - APT #2	-	-	.33	-	-	1/1	7		
06050300 LOAD CNTLR ASSY - APT #3	-	-	.33	-	-	1/1	7		
06060100 DC PWR CNTLR ASSY-FWD #1	-	-	.50	-	-	1/1	7		
06060200 DC PWR CNTLR ASSY-FWD #2	-	-	.50	-	-	1/1	7		
06060300 DC PWR CNTLR ASSY-FWD #3	-	-	.50	-	-	1/1	7		
06070100 DC PWR CNTLR ASSY-AFT #1	-	-	.50	-	-	1/1	7		
06070200 DC PWR CNTLR ASSY-AFT #2	-	-	.50	-	-	1/1	7		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC				
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 106 - DESCENT (DEORBIT - GSE)</u>									
06070300 DC PWR CNTLR ASSY-AFT #3	-	-	.50	-	-	1/1	7		
06080100 MAIN DC DIST&CNTL ASSY#1	-	-	1.0	-	-	1/1	7		
06080200 MAIN DC DIST&CNTL ASSY#2	-	-	1.0	-	-	1/1	7		
06080300 MAIN DC DIST&CNTL ASSY#3	-	-	1.0	-	-	1/1	7		
06101100 INV DIST & CNTL ASSY #1	-	-	.67	-	-	1/1	7		
06101200 INV DIST & CNTL ASSY #2	-	-	.67	-	-	1/1	7		
06101300 INV DIST & CNTL ASSY #3	-	-	.67	-	-	1/1	7		
06102100 INV DIST & CNTL ASSY #1	-	-	.67	-	-	1/1	7		
06102200 INV DIST & CNTL ASSY #2	-	-	.67	-	-	1/1	7		
06102300 INV DIST & CNTL ASSY #3	-	-	.67	-	-	1/1	7		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC	FRAC			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 106 - DESCENT (DEORBIT - GSE)</u>									
06120100 DC PWR CNTL ASSY-MID #1	-	-	.50	-	-		1/1	7	
06120200 DC PWR CNTL ASSY-MID #2	-	-	.50	-	-		1/1	7	
06120300 DC PWR CNTL ASSY-MID #3	-	-	.50	-	-		1/1	7	
07010300 COMPUTER #3	-	-	1.0	-	-		1/1	4	
07010400 COMPUTER #4	-	-	1.0	-	-		1/1	4	
07010500 COMPUTER #5	-	-	1.0	-	-		1/1	4	
07030300 MDM FF3	-	-	1.0	-	-		1/1	4	
07030400 MDM FF4	-	-	1.0	-	-		1/1	4	
07040200 MDM FA2	-	-	1.0	-	-		1/1	4	
07040300 MDM FA3 & FA4	-	-	1.0	-	-		2/2	4	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC ON TIME (0-1.0)	PRAC			

ACTIVITY BLOCK: 106 - DESCENT (DEORBIT - GSE)

07090210									
MASS MEM #2 (TAPE) STBY	-	-	1.0	-	-		1/1	4	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC	FRAC			
					ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 107 - DESCENT (DEORBIT - STOPROLL)</u>									
01040100 AIR DATA XDCR ASSY #1	-	-	1.0	-	-		1/1	4	
01040200 AIR DATA XDCR ASSY #2	-	-	1.0	-	-		1/1	4	
01040300 AIR DATA XDCR ASSY #3	-	-	1.0	-	-		1/1	4	
01040400 AIR DATA XDCR ASSY #4	-	-	1.0	-	-		1/1	4	
01050200 RATE GYRO ASSY-AFT #2	-	-	1.0	-	-		1/1	4	
01050300 RATE GYRO ASSY-AFT #3	-	-	1.0	-	-		1/1	4	
01090100 AERO SRF SRV AMP#1-AFT	-	-	1.0	-	-		1/1	4	
01090200 AERO SRF SRV AMP#2-AFT	-	-	1.0	-	-		1/1	4	
01090300 AERO SRF SRV AMPL#3/4-AFT	-	-	1.0	-	-		2/2	4	
01140100 ACCEL ASSY FWD #1	-	-	1.0	-	-		1/1	4	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC	FRAC			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 107 - DESCENT (DEORBIT - STOPROLL)</u>									
01140200 ACCEL ASSY FWD #2	-	-	1.0	-	-		1/1	4	
01140300 ACCEL ASSY FWD #3	-	-	1.0	-	-		1/1	4	
02170100 TACAN #1	-	-	1.0	-	-		1/1	4	
02170200 TACAN #2	-	-	1.0	-	-		1/1	4	
02170300 TACAN #3	-	-	1.0	-	-		1/1	4	
02190100 MSBLS DECODER ASSY #1	-	-	1.0	-	-		1/1	4	
02190200 MSBLS DECODER ASSY #2	-	-	1.0	-	-		1/1	4	
02190300 MSBLS DECODER ASSY #3	-	-	1.0	-	-		1/1	4	
02200100 MSBLS RF ASSY #1	-	-	1.0	-	-		1/1	4	
02200200 MSBLS RF ASSY #2	-	-	1.0	-	-		1/1	4	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC	ON TIME			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	(0-1.0)				
<u>ACTIVITY BLOCK: 107 - DESCENT (DEORBIT - STOPROLL)</u>									
02200300 MSBLS RF ASSY #3	-	-	1.0	-	-	-	1/1	4	
02210100 RADAR ALTIMETER #1	-	-	1.0	-	-	-	1/1	4	
02210200 RADAR ALTIMETER #2	-	-	1.0	-	-	-	1/1	4	
03010100 ATTITUDE DIR IND-FWD RH	-	-	1.0	-	-	-	1/1	4	
03010200 ATTITUDE DIR IND-FWD LH	-	-	1.0	-	-	-	1/1	4	
03020100 HORIZ SIT IND #1	-	-	1.0	-	-	-	1/1	4	
03020200 HORIZ SIT IND #2	-	-	1.0	-	-	-	1/1	4	
03030100 AS/MACH INDICATOR #1	-	-	1.0	-	-	-	1/1	4	
03030200 AS/MACH INDICATOR #2	-	-	1.0	-	-	-	1/1	4	
03040100 AS/MACH ELECT UNIT #1	-	-	1.0	-	-	-	1/1	4	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC	ON TIME			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	(0-1.0)				
<u>ACTIVITY BLOCK: 107 - DESCENT (DEORBIT - STOPROLL)</u>									
03040200 AS/MACH ELECT UNIT #2	-	-	1.0	-	-	1/1	4		
03050100 ALT VER VEL IND #1	-	-	1.0	-	-	1/1	4		
03050200 ALT VER VEL IND #2	-	-	1.0	-	-	1/1	4		
03060100 ALT VER VEL EL UNIT #1	-	-	1.0	-	-	1/1	4		
03060200 ALT VER VEL EL UNIT #2	-	-	1.0	-	-	1/1	4		
03070100 TAPE METER (ASC-ENT)	-	-	1.0	-	-	1/1	4		
03070300 TAPE METER (ASC-ENT)	-	-	1.0	-	-	1/1	7		
03130000 SURF POSITION IND	-	-	1.0	-	-	1/1	4		
21240100 QNTY GAGE PROBE #1	-	-	1.0	-	-	1/1	7		
21240200 QNTY GAGE PROBE #2	-	-	1.0	-	-	1/1	7		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EPP	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 107 - DESCENT (DEORBIT - STOPROLL)</u>									
21240300 QNTY GAGE PROBE #3 & #4	-	-	1.0	-	-	2/2	7		
40310100 AMMONIA BOILER SYS #1	-	-	1.0	-	-	1/1	4		
40310200 AMMONIA BOILER SYS #2	-	-	1.0	-	-	1/1	4		
50090100 SSME #1 SYS S/O VALVE	-	-	1.0	-	-	1/1	7		
50090200 SSME #2 SYS S/C VALVE	-	-	1.0	-	-	1/1	7		
50090300 SSME #3 SYS S/O VALVE	-	-	1.0	-	-	1/1	7		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC				
					ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 150 - DEVELOPMENT FLIGHT INSTRUMENTATION</u>									
02480000 S-BAND FM XMTR (DFI)	-0001000	-	1.0	-	-		1/1	5	
05030100 PCM MASTER UNIT #1	-0001000	-	1.0	-	-		1/1	2	
05040000 PCM RECORDER	-0001000	-	1.0	-	-		1/1	2	
05050100 SIG COND UNIT-FWD #1	-0001000	-	1.0	-	-		1/1	5	
05050200 SIG COND UNIT-FWD #2	-0001000	-	1.0	-	-		1/1	5	
05050300 SIG COND UNIT-FWD #3	-0001000	-	1.0	-	-		1/1	5	
05050400 SIG COND UNIT-FWD #4	-0001000	-	1.0	-	-		1/1	5	
05060100 SIG COND UNIT-MID #1	-0001000	-	1.0	-	-		1/1	5	
05060200 SIG COND UNIT-MID #2	-0001000	-	1.0	-	-		1/1	5	
05060300 SIG COND UNIT-MID #3-8	-0001000	-	1.0	-	-		6/6	2	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	BPF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC				
					ON TIME (0-1.0)	FRAC			
<u>ACTIVITY BLOCK: 150 - DEVELOPMENT FLIGHT INSTRUMENTATION</u>									
05060400 SIG COND UNIT-MID #9-14	-0001000	-	1.0	-	-	6/6	2		
05070000 WIDEBAND FDM UNIT-FWD	-0001000	-	1.0	-	-	1/1	5		
05080100 WIDEBAND FDM UNIT-MID #1	-0001000	-	1.0	-	-	1/1	5		
05080200 WIDEBAND FDM UNIT-MID #2	-0001000	-	1.0	-	-	1/1	5		
05090000 WIDEBAND RECORDER	-0001000	-	1.0	-	-	1/1	5		
05120000 WBND SIG CND UNIT-FWD	-0001000	-	1.0	-	-	40/40	5		
05130100 WBND SIG CND UNIT-MID	-0001000	-	1.0	-	-	82/82	5		
05130200 WBND SIG CND UNIT-MID	-0001000	-	1.0	-	-	83/83	5		
05150000 STRN GAGE SIG CND FWD	-0001000	-	1.0	-	-	5/5	5		
05160100 STRN GAGE SIG CND MID	-0001000	-	1.0	-	-	45/45	5		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC				
					ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 150 - DEVELOPMENT FLIGHT INSTRUMENTATION</u>									
05160200 STRN GAGE SIG CND MID	-0001000	-	1.0	-	-		71/71	5	
07050100 MDM DF1 (DFI-FWD)	-0001000	-	1.0	-	-		1/1	5	
07050200 MDM DF2 (DFI-FWD)	-0001000	-	1.0	-	-		1/1	2	
07060100 MDM DM1 (DFI-MID)	-0001000	-	1.0	-	-		1/1	5	
07060200 MDM DM2 (DFI-MID)	-0001000	-	1.0	-	-		1/1	5	
07060300 MDM DM3 (DFI-MID)	-0001000	-	1.0	-	-		1/1	2	
07060400 MDM DM4 (DFI-MID)	-0001000	-	1.0	-	-		1/1	2	
07060500 MDM DM5 (DFI-MID)	-0001000	-	1.0	-	-		1/1	2	
15010000 MDM DFI	-0001000	+0000851	1.0	-	-		1/1	2	
16040100 MDM-DFI #1	-0001000	+0000206	1.0	-	-		1/1	2	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 150 - DEVELOPMENT FLIGHT INSTRUMENTATION</u>									
16040200 MDM-DFI #2	-0001000	+0000206	1.0	-	-	1/1	2		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC	FRAC			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 160 - ORBITAL COMMON 2 (INSERTION-DEORBIT)</u>									
01010200 INU #2 OPERATE	-	-	1.0	-	-		1/1	4	
01010300 INU #3 OPERATE	-	-	1.0	-	-		1/1	4	
01050200 RATE GYRO ASSY-AFT #2	-	-	1.0	-	-		1/1	4	
01050300 RATE GYRO ASSY-AFT #3	-	-	1.0	-	-		1/1	4	
01090100 AERO SRF SRV AMP #1-AFT	-	-	1.0	-	-		1/1	4	
01090200 AERO SRF SRV AMP #2-AFT	-	-	1.0	-	-		1/1	4	
01090300 AERO SRF SRV AMP #3/4-AFT	-	-	1.0	-	-		2/2	4	
01110100 REACT JET DRVR #1 FWD	-	-	1.0	-	-		1/1	7	
01110200 REACT JET DRVR #2 FWD	-	-	1.0	-	-		1/1	7	
01140100 ACCEL ASSY-FWD #1	-	-	1.0	-	-		1/1	4	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC				
					ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 160 - ORBITAL COMMON 2 (INSERTION-DEORBIT)</u>									
01140200 ACCEL ASSY-FWD #2	-	-	1.0	-	-	1/1	4		
01140300 ACCEL ASSY-FWD #3	-	-	1.0	-	-	1/1	4		
01170100 ROT HAND CONTRL-RH	-	-	1.0	-	-	1/1	4		
01170200 ROT HAND CONTRL-LH	-	-	1.0	-	-	1/1	4		
01170300 ROT HAND CONTRL-PSS	-	-	1.0	-	-	1/1	7		
01180100 RUD PDL XDUCER ASSY RH	-	-	1.0	-	-	1/1	4		
01180200 RUD PDL XDUCER ASSY LH	-	-	1.0	-	-	1/1	4		
01190100 SPD BRK THRST CONTRL RH	-	-	1.0	-	-	1/1	4		
01190200 SPD BRK THRST CONTRL LH	-	-	1.0	-	-	1/1	4		
02170100 TACAN #1	-	-	1.0	-	-	1/1	4		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC	FRAC			
					ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 160 - ORBITAL COMMON 2 (INSERTION-DEORBIT)</u>									
02190100 MSBLS DCBR ASSY #1	-	-	1.0	-	-		1/1	4	
02200100 MSBLS RF ASSY #1	-	-	1.0	-	-		1/1	4	
02210100 RADAR ALTIMETER #1	-	-	1.0	-	-		1/1	4	
02560020 EVA/ATC TRANS-XMIT	-	-	.39	-	-		1/1	7	
03010100 ATTITUDE DIR IND-FWD RH	-	-	.05	-	-		1/1	4	
03010200 ATTITUDE DIR IND-FWD LH	-	-	.05	-	-		1/1	4	
03020100 HORIZ SIT IND #1	-	-	1.0	-	-		1/1	4	
03030100 AS/MACH INDICATOR #1	-	-	1.0	-	-		1/1	4	
03030200 AS/MACH INDICATOR #2	-	-	1.0	-	-		1/1	4	
03040100 AS/MACH ELEC UNIT #1	-	-	1.0	-	-		1/1	4	

C-54

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC				
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 160 - ORBITAL COMMON 2 (INSERTION-DEORBIT)</u>									
03040200 AS/MACH ELEC UNIT #2	-	-	1.0	-	-	1/1	4		
03050100 ALT VER VEL IND #1	-	-	1.0	-	-	1/1	4		
03050200 ALT VER VEL IND #2	-	-	1.0	-	-	1/1	4		
03060100 ALT VER VEL ELEC UNIT #1	-	-	1.0	-	-	1/1	4		
03060200 ALT VER VEL ELEC UNIT #2	-	-	1.0	-	-	1/1	4		
03070100 TAPE METER (ASC-ENT)	-	-	1.0	-	-	1/1	4		
03070300 TAPE METER (ASC-ENT)	-	-	1.0	-	-	3/3	7		
03130000 SURF POSIT IND	-	-	1.0	-	-	1/1	4		
03140000 OMS/RCS PROP QTY IND	-	-	1.0	-	-	1/1	7		
03180100 EVENT TIMER #1	-	-	1.0	-	-	1/1	7		

TABLE C-1.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC	FRAC			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 160 - ORBITAL COMMON 2 (INSERTION-DEORBIT)</u>									
03220100 DISP DRVR UNIT-CRW FWD#1	-	-	1.0	-	-		1/1	4	
03220200 DISP DRVR UNIT-CRW FWD#2	-	-	1.0	-	-		1/1	4	
03220300 DISP DRVR UNIT-CRW AFT#3	-	-	1.0	-	-		1/1	7	
03270100 CRT DISPLAY UNIT #1	-	-	1.0	-	-		1/1	4	
03270200 CRT DISPLAY UNIT #2	-	-	1.0	-	-		1/1	4	
03270300 CRT DISPLAY UNIT #3	-	-	1.0	-	-		1/1	4	
03270400 CRT DISPLAY UNIT #4	-	-	1.0	-	-		1/1	7	
03280100 DISPLAY ELECT UNIT #1	-	-	1.0	-	-		1/1	4	
03280200 DISPLAY ELECT UNIT #2	-	-	1.0	-	-		1/1	4	
03280300 DISPLAY ELECT UNIT #3	-	-	1.0	-	-		1/1	4	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC				
					ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 160 - ORBITAL COMMON 2 (INSERTION-DEORBIT)</u>									
03280400 DISPLAY ELECT UNIT #4	-	-	1.0	-	-		1/1	7	
03310100 INT LTS-LEFT/CNTR	-	-	1.0	-	-		1/1	4	
03310200 INT LTS-OVHD	-	-	1.0	-	-		1/1	4	
03310300 INT LTS-RIGHT	-	-	1.0	-	-		1/1	4	
03310400 INT LTS-REAR	-	-	1.0	-	-		1/1	4	
03350100 MID DECK FLDLTS-1,5,8	-	-	1.0	-	-		3/2	7	
03350300 MID DECK FLDLTS-4,7,9	-	-	1.0	-	-		3/2	7	
03420100 CABIN FLOODLIGHTS-AFT	-	-	1.0	-	-		2/2	4	
03420200 GLARESHIELD FLDLTS-LEFT	-	-	1.0	-	-		1/1	7	
03420300 GLARESHIELD FLDLTS-RIGHT	-	-	1.0	-	-		1/1	7	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC				
					ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 160 - ORBITAL COMMON 2 (INSERTION-DEORBIT)</u>									
03730100 ANNUN LTS-LEFT/CNTR	-	-	1.0	-	-	1/1	4		
03730200 ANNUN LTS-OVHD	-	-	1.0	-	-	1/1	7		
03730300 ANNUN LTS-RIGHT	-	-	1.0	-	-	1/1	7		
06020100 PYRO EVENT CNTLR-FWD #1	-	-	1.0	-	-	1/1	7		
06020200 PYRO EVENT CNTLR-FWD #2	-	-	1.0	-	-	1/1	7		
06030100 MASTER EVENT CNTLR-AFT#1	-	-	1.0	-	-	1/1	7		
06030200 MASTER EVENT CNTLR-AFT#2	-	-	1.0	-	-	1/1	7		
06040100 LOAD CNTLR ASSY-FWD #1	-	-	.33	-	-	1/1	7		
06040200 LOAD CNTLR ASSY-FWD #2	-	-	.33	-	-	1/1	7		
06040300 LOAD CNTLR ASSY-FWD #3	-	-	.33	-	-	1/1	7		

C-58

TABLE C-1.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC				
					ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 160 - ORBITAL COMMON 2 (INSERTION-DEORBIT)</u>									
06050100 LOAD CNTLR ASSY-AFT #1	-	-	.33	-	-		1/1	7	
06050200 LOAD CNTLR ASSY-AFT #2	-	-	.33	-	-		1/1	7	
06050300 LOAD CNTLR ASSY-AFT #3	-	-	.33	-	-		1/1	7	
06060100 DC PWR CNTLR ASSY-FWD #1	-	-	.50	-	-		1/1	7	
06060200 DC PWR CNTLR ASSY-FWD #2	-	-	.50	-	-		1/1	7	
06060300 DC PWR CNTLR ASSY-FWD #3	-	-	.50	-	-		1/1	7	
06070100 DC PWR CNTLR ASSY-AFT #1	-	-	.50	-	-		1/1	7	
06070200 DC PWR CNTLR ASSY-AFT #2	-	-	.50	-	-		1/1	7	
06070300 DC PWR CNTLR ASSY-AFT #3	-	-	.50	-	-		1/1	7	
06080100 MAIN DC DISTECNTL ASSY#1	-	-	1.0	-	-		1/1	7	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC				
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 160 - ORBITAL COMMON 2 (INSERTION-DEORBIT)</u>									
06080200 MAIN DC DIST&CNTL ASSY#2	-	-	1.0	-	-	1/1	7		
06080300 MAIN DC DIST&CNTL ASSY#3	-	-	1.0	-	-	1/1	7		
06101100 INV DIST & CNTL ASSY #1	-	-	.67	-	-	1/1	7		
06101200 INV DIST & CNTL ASSY #2	-	-	.67	-	-	1/1	7		
06101300 INV DIST & CNTL ASSY #3	-	-	.67	-	-	1/1	7		
06102100 INV DIST & CNTL ASSY #1	-	-	.67	-	-	1/1	7		
06102200 INV DIST & CNTL ASSY #2	-	-	.67	-	-	1/1	7		
06102300 INV DIST & CNTL ASSY #3	-	-	.67	-	-	1/1	7		
06120100 DC PWR CNTLR ASSY-MID #1	-	-	.50	-	-	1/1	7		
06120200 DC PWR CNTLR ASSY-MID #2	-	-	.50	-	-	1/1	7		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC	ON TIME			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	(0-1.0)				
<u>ACTIVITY BLOCK - 160 - ORBITAL COMMON 2 (INSERTION-DEORBIT)</u>									
06120300 DC PWR CNTLR ASSY-MID #3	-	-	.50	-	-	-	1/1	7	
07010300 COMPUTER #3	-	-	1.0	-	-	-	1/1	4	
07010400 COMPUTER #4	-	-	1.0	-	-	-	1/1	4	
07010500 COMPUTER #5	-	-	1.0	-	-	-	1/1	4	
07030300 MDM FF3	-	-	1.0	-	-	-	1/1	4	
07040200 MDM FA2	-	-	1.0	-	-	-	1/1	4	
07040300 MDM FA3 & FA4	-	-	1.0	-	-	-	2/2	4	
21240100 QNTY GAGE PROBE #1	-	-	1.0	-	-	-	1/1	7	
21240200 QNTY GAGE PROBE #2	-	-	1.0	-	-	-	1/1	7	
21240300 QNTY GAGE PROBE #3 & #4	-	-	1.0	-	-	-	2/2	7	

C-61

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE		DEC FRAC				
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	PERIOD (HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 161 - ORBITAL COMMON 2 (ORB CONFIG-DEORB PREP)</u>									
07090210 MASS MEM #2 (TAPE) STBY	-	-	1.0	-	-	1/1	4		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC	FRAC			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 201 - ASCENT (GSE-MECO)</u>									
16010100 RATE GYRO ASSY	-0001000	+0000206	1.0	-	-		3/3	7	
16010200 RATE GYRO ASSY	-0001000	+0000206	1.0	-	-		3/3	7	
16020100 MDM-SET 1	-0001000	+0000206	1.0	-	-		2/2	7	
16020200 MDM-SET 2	-0001000	+0000206	1.0	-	-		2/2	7	
16070100 SIG COND-SET 1	-0001000	+0000206	1.0	-	-		2/2	7	
16070200 SIG COND-SET 2	-0001000	+0000206	1.0	-	-		2/2	7	
16080000 TVC HYDR RCRC SYS	-0001000	+0000206	1.0	-	-		4/4	7	
20140000 LO2 FEEDLN RELF SHUTOFF	-0001000	-	1.0	-	-		1/1	7	
20150000 LH2 FEEDLN RELF SHUTOFF	-0001000	-	1.0	-	-		1/1	7	
20170000 ET VENT ISO SOL VLV	-0001000	-	1.0	-	-		2/2	7	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC	FRAC			
					ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 201 - ASCENT (GSE-MECO)</u>									
20240100 LO2 PRESS'N FL CNTL SV1	-0000200	+0000600	1.0	-	-	1/1	7		
20240200 LO2 PRESS'N FL CNTL SV2	-0000200	+0000600	1.0	-	-	1/1	7		
20240300 LO2 PRESS'N FL CNTL SV3	-0000200	+0000600	1.0	-	-	1/1	7		
20250100 LH2 PRESS'N FL CNTL SV1	-0000200	+0000600	1.0	-	-	1/1	7		
20250200 LH2 PRESS'N FL CNTL SV2	-0000200	+0000600	1.0	-	-	1/1	7		
20250300 LH2 PRESS'N FL CNTL SV3	-0000200	+0000600	1.0	-	-	1/1	7		
52080100 LNCH UMB (LH) DOOR DR#1	-	+0000010	1.0	-	-	1/1	7		
52080200 LNCH UMB (LH) DOOR DR#2	-	+0000010	1.0	-	-	1/1	7		
52090100 LNCH UMB (RH) DOOR DR#1	-	+0000010	1.0	-	-	1/1	7		
52090200 LNCH UMB (RH) DOOR DR#2	-	+0000010	1.0	-	-	1/1	7		

C-64

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE	CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	DEC	FRAC			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	ON TIME (0-1.0)	ON TIME (0-1.0)			
<u>ACTIVITY BLOCK: 201 - ASCENT (GSE-MECO)</u>								
52320100 VENT DOOR MOTORS-SET 1	+0000010	+0000018	1.0	-	-	2/2	7	
52320200 VENT DOOR MOTORS-SET 2	+0000010	+0000018	1.0	-	-	2/2	7	
52330100 VENT DOOR MOTORS-SET 1	+0000010	+0000018	1.0	-	-	2/2	7	
52330200 VENT DOOR MOTORS-SET 2	+0000010	+0000018	1.0	-	-	2/2	7	
52340100 VENT DOOR MOTORS-SET 1	+0000010	+0000018	1.0	-	-	2/2	7	
52340200 VENT DOOR MOTORS-SET 2	+0000010	+0000018	1.0	-	-	2/2	7	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC	ON TIME			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	(0-1.0)				
<u>ACTIVITY BLOCK: 202 - ASCENT (MECO-INSERTION)</u>									
01110100 REAC JET DRVR #1 FWD	-0000017	-	1.0	-	-	1/1	7		
01110200 REAC JET DRVR #2 FWD	-0000017	-	1.0	-	-	1/1	7		
01120100 REAC JET OMS DRVR #1AFT	-0000017	-	1.0	-	-	1/1	7		
01120200 REAC JET OMS DRVR #2AFT	-0000017	-	1.0	-	-	1/1	7		
01160100 TRANS HAND CONTRL RH	-	-	1.0	-	-	1/1	7		
01160200 TRANS HAND CONTRL LH	-	-	1.0	-	-	1/1	7		
20170100 ET VENT ISO SOL VLV	-	+0000023	1.0	-	-	2/2	7		
22010100 THRUSTER-FWD-SET 1 (1-8)	+0000020	-	.01	-	-	8/2	7		
22020100 THRUSTER-AFT-SET 1 (1-6)	+0000020	-	.01	-	-	6/4	7		
40280100 FLASH EVAPORATOR ELEC #1	-	-	1.0	-	-	1/1	7		

C-66

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON {HHMMSS}	OFF {HHMMSS}	USE FACTOR (0-1.0)	PERIOD {HHMMSS}	DEC FRAC ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 202 - ASCENT (MECO-INSERTION)</u>									
51150100 E/T UMB LH DOOR DRV #1	+0000023	+0000053	1.0	-	-	1/1	7		
51150200 E/T UMB LH DOOR DRV #2	+0000023	+0000053	1.0	-	-	1/1	7		
51160100 E/T UMB LH DOOR LATCH#1	+0000053	+0000100	1.0	-	-	1/1	7		
51160200 E/T UMB LH DOOR LATCH#2	+0000053	+0000100	1.0	-	-	1/1	7		
51170100 E/T UMB RH DOOR DRV #1	+0000023	+0000053	1.0	-	-	1/1	7		
51170200 E/T UMB RH DOOR DRV #2	+0000023	+0000053	1.0	-	-	1/1	7		
51180100 E/T UMB RH DOOR LATCH#1	+0000053	+0000100	1.0	-	-	1/1	7		
51180200 E/T UMB RH DOOR LATCH#2	+0000053	+0000100	1.0	-	-	1/1	7		
52050100 RCS TOP DOOR ACT #1	-	+0000020	1.0	-	-	1/1	7		
52050200 RCS TOP DOOR ACT #2	-	+0000020	1.0	-	-	1/1	7		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC	FRAC			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 202 - ASCENT (MECO-INSERTION)</u>									
52060100 RCS LH SIDE DOOR ACT #1	-	+0000020	1.0	-	-		1/1	7	
52060200 RCS LH SIDE DOOR ACT #2	-	+0000020	1.0	-	-		1/1	7	
52070100 RCS RH SIDE DOOR ACT #1	-	+0000020	1.0	-	-		1/1	7	
52070200 RCS RH SIDE DOOR ACT #2	-	+0000020	1.0	-	-		1/1	7	

C-68

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	BFP	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC	FRAC			
					ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 210 - PRELAUNCH</u>									
07120000 MDM LF-1 (GSE)	-0001000	-	1.0	-	-		1/1	4	
07130000 MDM LA-1 (GSE)	-0001000	-	1.0	-	-		1/1	4	
20090000 LH2 TOPPING VLV OPEN SOL	-0001000	-0000200	1.0	-	-		1/1	7	
20100100 LH2 RECRC VLV OPEN SOL#1	-0001000	-	1.0	-	-		1/1	7	
20100200 LH2 RECRC VLV OPEN SOL#2	-0001000	-	1.0	-	-		1/1	7	
20100300 LH2 RECRC VLV OPEN SOL#3	-0001000	-	1.0	-	-		1/1	7	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC				
					ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 301 - QHS (ON ORBIT)</u>									
01010200 IMU #2 OPERATE	-	-	1.0	-	-	1/1	4		
01050200 RATE GYRO ASSY-AFT #2	-0000500	-	1.0	-	-	1/1	4		
01140100 ACCEL ASSY-FWD #1	-0000500	-	1.0	-	-	1/1	4		
01140200 ACCEL ASSY-FWD #2	-0000500	-	1.0	-	-	1/1	4		
01140300 ACCEL ASSY-FWD #3	-0000500	-	1.0	-	-	1/1	4		
01160100 TRANS HAND CONTRL RH	-0000030	-	1.0	-	-	1/1	7		
01160200 TRANS HAND CONTRL LH	-0000030	-	1.0	-	-	1/1	7		
03010100 ATTITUDE DIR IND-FWD RH	-	-	1.0	-	-	1/1	4		
03010200 ATTITUDE DIR IND-FWD LH	-	-	1.0	-	-	1/1	4		
03010300 ATTITUDE DIR IND-AFT MSS	-	-	1.0	-	-	1/1	7		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 301 - OMS (ON ORBIT)</u>									
03140000 OMS/RCS PROP QTY IND	-	-	1.0	-	-	1/1	7		
03180100 EVENT TIMER #1	-	-	1.0	-	-	1/1	7		
03220200 DISP DRVR UNIT-CRW FWD 2	-0000500	-	1.0	-	-	1/1	4		
03270200 CRT DISPLAY UNIT #2	-0000500	-	1.0	-	-	1/1	4		
03270300 CRT DISPLAY UNIT #3	-0000500	-	1.0	-	-	1/1	4		
03280200 DISPLAY ELECT UNIT #2	-0000500	-	1.0	-	-	1/1	4		
03280300 DISPLAY ELECT UNIT #3	-0000500	-	1.0	-	-	1/1	4		
07010500 COMPUTER #5	-0000500	-	1.0	-	-	1/1	4		
21020000 OX HE/VAPOR ISO VI #1LP	-	-	1.0	-	-	2/2	7		
21030000 FUEL HE/VAPOR ISO #2LP	-	-	1.0	-	-	2/2	7		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC	FRAC			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 301 - OMS (ON ORBIT)</u>									
21040000 OX HE/VAPOR ISO VL #1RP	-	-	1.0	-	-		2/2	7	
21050000 FUEL HE/VAPOR ISO #2RP	-	-	1.0	-	-		2/2	7	
21080100 ENG GMBL ACT PITCH #1-LP	-0000500	-	1.0	-	-		1/1	7	
21080200 ENG GMBL ACT PITCH #1-RP	-0000500	-	1.0	-	-		1/1	7	
21080300 ENG GMBL ACT PITCH #2-LP	-0000500	-	1.0	-	-		1/1	7	
21080400 ENG GMBL ACT PITCH #2-RP	-0000500	-	1.0	-	-		1/1	7	
21090100 ENG GMBL ACT YAW #1-LP	-0000500	-	1.0	-	-		1/1	7	
21090200 ENG GMBL ACT YAW #1-RP	-0000500	-	1.0	-	-		1/1	7	
21090300 ENG GMBL ACT YAW #2-LP	-0000500	-	1.0	-	-		1/1	7	
21090400 ENG GMBL ACT YAW #2-RP	-0000500	-	1.0	-	-		1/1	7	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC	FRAC			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 301 - OMS (ON ORBIT)</u>									
21240100 QNTY GAGE PROBE #1	-0001500	-	1.0	-	-		1/1	7	
21240200 QNTY GAGE PROBE #2	-0001500	-	1.0	-	-		1/1	7	
21240300 QNTY GAGE PROBE #3 & #4	-0001500	-	1.0	-	-		2/2	7	
21250100 ENG ARMING VLV COIL #1LP	-0000100	-	1.0	-	-		1/1	7	
21250200 ENG ARMING VLV COIL #2LP	-0000100	-	1.0	-	-		1/1	7	
21260100 ENG ARMING VLV COIL #1RP	-0000100	-	1.0	-	-		1/1	7	
21260200 ENG ARMING VLV COIL #2RP	-0000100	-	1.0	-	-		1/1	7	
21270100 ENG CTL VL #1 COIL #1LP	-	-	1.0	-	-		1/1	7	
21270200 ENG CTL VL #1 COIL #2LP	-	-	1.0	-	-		1/1	7	
21280100 ENG CTL VL #2 COIL #1LP	-	-	1.0	-	-		1/1	7	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC	FRAC			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 301 - OMS (ON ORBIT)</u>									
21280200 ENG CTL VL #2 COIL #2LP	-	-	1.0	-	-		1/1	7	
21290100 ENG CTL VL #1 COIL #1RP	-	-	1.0	-	-		1/1	7	
21290200 ENG CTL VL #1 COIL #2RP	-	-	1.0	-	-		1/1	7	
21300100 ENG CTL VL #2 COIL #1RP	-	-	1.0	-	-		1/1	7	
21300200 ENG CTL VL #2 COIL #2RP	-	-	1.0	-	-		1/1	7	

C-74

TABLE C-1.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC				
					ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 302 - RCS (AUTO)</u>									
01010200 IMU #2 OPERATE	-	-	1.0	-	-		1/1	4	
01050200 RATE GYRO ASSY-AFT #2	-0000500	-	1.0	-	-		1/1	4	
01140100 ACCEL ASSY-FWD #1	-0000500	-	1.0	-	-		1/1	4	
01140200 ACCEL ASSY-FWD #2	-0000500	-	1.0	-	-		1/1	4	
01140300 ACCEL ASSY-FWD #3	-0000500	-	1.0	-	-		1/1	4	
03010100 ATTITUDE DIR IND-FWD RH	-	-	1.0	-	-		1/1	4	
03010200 ATTITUDE DIR IND-FWD LH	-	-	1.0	-	-		1/1	4	
03010300 ATTITUDE DIR IND-AFT MOD	-	-	1.0	-	-		1/1	7	
03140000 OMS/RCS PROP QTY IND	-	-	1.0	-	-		1/1	7	
03180100 EVENT TIMER #1	-	-	1.0	-	-		1/1	7	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EPF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 302 - RCS (AUTO)</u>									
03220200 DISP DRVR UNIT-CRW FWD 2	-0000500	-	1.0	-	-	1/1	4		
03270200 CRT DISPLAY UNIT #2	-0000500	-	1.0	-	-	1/1	4		
03270300 CRT DISPLAY UNIT #3	-0000500	-	1.0	-	-	1/1	4		
03280200 DISPLAY ELECT UNIT #2	-0000500	-	1.0	-	-	1/1	4		
03280300 DISPLAY ELECT UNIT #3	-0000500	-	1.0	-	-	1/1	4		
07010500 COMPUTER #5	-0000500	-	1.0	-	-	1/1	4		
21240100 QNTY GAGE PROBE #1	-0001500	-	1.0	-	-	1/1	7		
21240200 QNTY GAGE PROBE #2	-0001500	-	1.0	-	-	1/1	7		
21240300 QNTY GAGE PROBE #3 & #4	-0001500	-	1.0	-	-	2/2	7		
22010100 THRUSTER-FWD-SET 1 (1-8)	-	-	.50	-	-	8/2	7		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	BPF	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC	ON TIME			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	(0-1.0)				
<u>ACTIVITY BLOCK: 302 - RCS (AUTO)</u>									
22020100 THRUSTER-AFT-SET 1 (1-6)	-	-	.50	-	-	6/4	7		

TABLE C-1.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC	FRAC			
	{HHMMSS}	{HHMMSS}	{0-1.0}	{HHMMSS}	{0-1.0}				
<u>ACTIVITY BLOCK: 303 - RCS (MANUAL)</u>									
01010200 IMU #2 OPERATE	-	-	1.0	-	-		1/1	4	
01050200 RATE GYRO ASSY-AFT #2	-0000500	-	1.0	-	-		1/1	4	
01140100 ACCEL ASSY-FWD #1	-0000500	-	1.0	-	-		1/1	4	
01140200 ACCEL ASSY-FWD #2	-0000500	-	1.0	-	-		1/1	4	
01140300 ACCEL ASSY-FWD #3	-0000500	-	1.0	-	-		1/1	4	
01170100 ROT HAND CONTRL-RH	-0000030	-	1.0	-	-		1/1	4	
01170200 ROT HAND CONTRL-LH	-0000030	-	1.0	-	-		1/1	4	
01170300 ROT HAND CONTRL-PSS	-0000030	-	1.0	-	-		1/1	7	
03010100 ATTITUDE DIR IND-FWD RH	-	-	1.0	-	-		1/1	4	
03010200 ATTITUDE DIR IND-FWD LH	-	-	1.0	-	-		1/1	4	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFP	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC				
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 303 - RCS (MANUAL)</u>									
03010300 ATTITUDE DIR IND-AFT MSS	-	-	1.0	-	-	1/1	7		
03140000 OMS/RCS PROP QTY IND	-	-	1.0	-	-	1/1	7		
03180100 EVENT TIMER #1	-	-	1.0	-	-	1/1	7		
03220200 DISP DRV UNIT-CRW FWD 2	-0000500	-	1.0	-	-	1/1	4		
03270200 CRT DISPLAY UNIT #2	-0000500	-	1.0	-	-	1/1	4		
03270300 CRT DISPLAY UNIT #3	-0000500	-	1.0	-	-	1/1	4		
03280200 DISPLAY ELECT UNIT #2	-0000500	-	1.0	-	-	1/1	4		
03280300 DISPLAY ELECT UNIT #3	-0000500	-	1.0	-	-	1/1	4		
07010500 COMPUTER #5	-0000500	-	1.0	-	-	1/1	4		
21240100 QNTY GAGE PROBE #1	-0001500	-	1.0	-	-	1/1	7		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC	FRAC			
	{HHMMSS}	{HHMMSS}	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 303 - RCS (MANUAL)</u>									
21240200 QNTY GAGE PROBE #2	-0001500	-	1.0	-	-		1/1	7	
21240300 QNTY GAGE PROBE #3 & #4	-0001500	-	1.0	-	-		2/2	7	
22010100 THRUSTER-FWD-SET 1 (1-8)	-	-	.50	-	-		8/2	7	
22020100 THRUSTER-AFT-SET 1 (1-6)	-	-	.50	-	-		6/4	7	

TABLE C-1.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 304 - POST BURN</u>									
01010200 INU #2 OPERATE	-	-	1.0	-	-	1/1	4		
01050200 RATE GYRO ASSY-AFT #2	-	-	1.0	-	-	1/1	4		
01140100 ACCEL ASSY-FWD #1	-	-	1.0	-	-	1/1	4		
01140200 ACCEL ASSY-FWD #2	-	-	1.0	-	-	1/1	4		
01140300 ACCEL ASSY-FWD #3	-	-	1.0	-	-	1/1	4		
01170100 ROT HAND CONTRL-RH	-	-	1.0	-	-	1/1	4		
01170200 ROT HAND CONTRL-LH	-	-	1.0	-	-	1/1	4		
01170300 ROT HAND CONTRL-PSS	-	-	1.0	-	-	1/1	7		
03010100 ATTITUDE DIR IND-FWD RH	-	-	1.0	-	-	1/1	4		
03010200 ATTITUDE DIR IND-FWD LH	-	-	1.0	-	-	1/1	4		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EPF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC				
					ON TIME (0-1.0)	FRAC			
<u>ACTIVITY BLOCK: 304 - POST BURN</u>									
03140000 OMS/RCS PROP QTY IND	-	-	1.0	-	-	1/1	7		
03180100 EVENT TIMER #1	-	-	.2	-	-	1/1	7		
03220200 DISP DRVR UNIT-CRW FWD 2	-	-	1.0	-	-	1/1	4		
03270200 CRT DISPLAY UNIT #2	-	-	1.0	-	-	1/1	4		
03270300 CRT DISPLAY UNIT #3	-	-	1.0	-	-	1/1	4		
03280200 DISPLAY ELEC UNIT #2	-	-	1.0	-	-	1/1	4		
03280300 DISPLAY ELEC UNIT #3	-	-	1.0	-	-	1/1	4		
07010500 COMPUTER #5	-	-	1.0	-	-	1/1	4		
21240100 QNTY GAGE PROBE #1	-	-	1.0	-	-	1/1	7		
21240200 QNTY GAGE PROBE #2	-	-	1.0	-	-	1/1	7		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC	ON TIME			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	(0-1.0)				
<u>ACTIVITY BLOCK: 305 - RCS (ATT CNTL)</u>									
21240300 QNTY GAGE PROBE #3 & #4	-	-	1.0	-	-	2/2	7		
22010100 THRUSTER-FWD-SET 1 (1-8)	-	-	.003	-	-	8/2	7		
22020100 THRUSTER-AFT-SET 1 (1-6)	-	-	.003	-	-	6/4	7		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC				
					ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 350 - OMS (INSERTION)</u>									
21020000 OX HE/VAPOR ISO VL #1LP	-	-	1.0	-	-	2/2	7		
21030000 FUEL HE/VAPOR ISO #2LP	-	-	1.0	-	-	2/2	7		
21040000 OX HE/VAPOR ISO VL #1RP	-	-	1.0	-	-	2/2	7		
21050000 FUEL HE/VAPOR ISO #2RP	-	-	1.0	-	-	2/2	7		
21250100 ENG ARMING VLV COIL #1LP	-0000100	-	1.0	-	-	1/1	7		
21250200 ENG ARMING VLV COIL #2LP	-0000100	-	1.0	-	-	1/1	7		
21260100 ENG ARMING VLV COIL #1RP	-0000100	-	1.0	-	-	1/1	7		
21260200 ENG ARMING VLV COIL #2RP	-0000100	-	1.0	-	-	1/1	7		
21270100 ENG CNTL VLV #1 COIL #1LP	-	-	1.0	-	-	1/1	7		
21270200 ENG CNTL VLV #1 COIL #2LP	-	-	1.0	-	-	1/1	7		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC				
					ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 350 - OMS (INSERTION)</u>									
21280100 ENG CNTL VLV #2 COIL #1LP	-	-	1.0	-	-	1/1	7		
21280200 ENG CNTL VLV #2 COIL #2LP	-	-	1.0	-	-	1/1	7		
21290100 ENG CNTL VLV #1 COIL #1RP	-	-	1.0	-	-	1/1	7		
21290200 ENG CNTL VLV #1 COIL #2RP	-	-	1.0	-	-	1/1	7		
21300100 ENG CNTL VLV #2 COIL #1RP	-	-	1.0	-	-	1/1	7		
21300200 ENG CNTL VLV #2 COIL #2RP	-	-	1.0	-	-	1/1	7		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC	ON TIME			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	(0-1.0)				
<u>ACTIVITY BLOCK: 401 - ORBITAL CONFIGURATION 1</u>									
01010200 IMU #2 OPERATE	-	+0003000	1.0	-	-	1/1	4		
01010210 IMU #2 STANDBY	+0003001	-	1.0	-	-	1/1	4		
01010300 IMU #3 OPERATE	-	+0003000	1.0	-	-	1/1	4		
01010310 IMU #3 STANDBY	+0003001	-	1.0	-	-	1/1	4		
01050200 RATE GYRO ASSY-AFT #2	-	+0003000	1.0	-	-	1/1	4		
01050300 RATE GYRO ASSY-AFT #3	-	+0003000	1.0	-	-	1/1	4		
01090100 AERO SRF SRV AMP #1 AFT	-	+0003000	1.0	-	-	1/1	4		
01090200 AERO SRF SRV AMP #2 AFT	-	+0003000	1.0	-	-	1/1	4		
01090300 AERO SRF SRV AMP#3/4-AFT	-	+0003000	1.0	-	-	2/2	4		
01110100 REACT JET DRVR #1 FWD	-	-	1.0	-	-	1/1	7		

C-86

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC	FRAC			
					ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 401 - ORBITAL CONFIGURATION 1</u>									
01110200 REACT JET DRVR #2 FWD	-	-	1.0	-	-		1/1	7	
01140100 ACCEL ASSY FWD #1	-	+0003000	1.0	-	-		1/1	4	
01140200 ACCEL ASSY FWD #2	-	+0003000	1.0	-	-		1/1	4	
01140300 ACCEL ASSY FWD #3	-	+0003000	1.0	-	-		1/1	4	
01170100 ROT HAND CONTLR-RH	-	+0001500	1.0	-	-		1/1	4	
01170200 ROT HAND CONTLR-LH	-	+0001500	1.0	-	-		1/1	4	
01170300 ROT HAND CONTLR-PSS	-	+0001500	1.0	-	-		1/1	7	
01180100 RUD PDL XDUCER ASSY RH	-	+0000100	1.0	-	-		1/1	4	
01180200 RUD PDL XDUCER ASSY LH	-	+0000100	1.0	-	-		1/1	4	
01190100 SPD BRK THRST CNTLR RH	-	+0001500	1.0	-	-		1/1	4	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC	FRAC			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 401 - ORBITAL CONFIGURATION 1</u>									
01190200 SPD BRK THRST CNTLR LH	-	+0001500	1.0	-	-		1/1	4	
02170100 TACAN #1	-	+0000100	1.0	-	-		1/1	4	
02190100 MSBLS DCDR ASSY #1	-	+0000100	1.0	-	-		1/1	4	
02200100 MSBLS RF ASSY #1	-	+0000100	1.0	-	-		1/1	4	
02210100 RADAR ALTIMETER #1	-	+0000100	1.0	-	-		1/1	4	
02560020 EVA/ATC TRANS-XMIT	-	+0003000	.39	-	-		1/1	7	
03010100 ATTITUDE DIR IND FWD RH	-	-	.05	-	-		1/1	4	
03010200 ATTITUDE DIR IND FWD LH	-	-	.05	-	-		1/1	4	
03020100 HORIZ SIT IND #1	-	+0001000	1.0	-	-		1/1	4	
03030100 AS/MACH INDICATOR #1	-	+0001000	1.0	-	-		1/1	4	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 401 - ORBITAL CONFIGURATION 1</u>									
03030200 AS/MACH INDICATOR #2	-	+0001000	1.0	-	-	1/1	4		
03040100 AS/MACH ELECT UNIT #1	-	+0001000	1.0	-	-	1/1	"		
03040200 AS/MACH ELECT UNIT #2	-	+0001000	1.0	-	-	1/1	4		
03050100 ALT VER VEL IND #1	-	+0001000	1.0	-	-	1/1	4		
03050200 ALT VER VEL IND #2	-	+0001000	1.0	-	-	1/1	4		
03060100 ALT VER VEL ELEC UNIT #1	-	+0001000	1.0	-	-	1/1	4		
03060200 ALT VER VEL ELEC UNIT #2	-	+0001000	1.0	-	-	1/1	4		
03070100 TAPE METER (ASC-ENT)	-	+0001000	1.0	-	-	1/1	4		
03070200 TAPE METER (ASC)	-	+0001000	1.0	-	-	2/2	7		
03070300 TAPE METER (ASC-ENT)	-	+0001000	1.0	-	-	3/3	7		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC	ON TIME			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	(0-1.0)				
<u>ACTIVITY BLOCK: 401 - ORBITAL CONFIGURATION 1</u>									
03070400 TAPE METER (ASC)	-	+0001000	1.0	-	-		1/1	7	
03070500 TAPE METER (ASC)	-	+0001000	1.0	-	-		1/1	7	
03130000 SURF POSIT IND	-	+0001000	1.0	-	-		1/1	4	
03140000 OMS/RCS PROP QTY IND	-	+0000500	1.0	-	-		1/1	7	
03180100 EVENT TIMER #1	-	+0003000	1.0	-	-		1/1	7	
03220100 DISP DRVR UNIT-CRW FWD 1	-	-	1.0	-	-		1/1	4	
03220200 DISP DRVR UNIT-CRW FWD 2	-	-	1.0	-	-		1/1	4	
03220300 DISP DRVR UNIT-CRW AFT 3	-	-	1.0	-	-		1/1	7	
03270100 CRT DISPLAY UNIT #1	-	-	1.0	-	-		1/1	4	
03270200 CRT DISPLAY UNIT #2	-	-	1.0	-	-		1/1	4	

C-90

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC	ON TIME			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	(0-1.0)				
<u>ACTIVITY BLOCK: 401 - ORBITAL CONFIGURATION 1</u>									
03270300 CRT DISPLAY UNIT #3	-	-	1.0	-	-	-	1/1	4	
03270400 CRT DISPLAY UNIT #4	-	-	1.0	-	-	-	1/1	7	
03280100 DISPLAY ELECT UNIT #1	-	-	1.0	-	-	-	1/1	4	
03280200 DISPLAY ELECT UNIT #2	-	-	1.0	-	-	-	1/1	4	
03280300 DISPLAY ELECT UNIT #3	-	-	1.0	-	-	-	1/1	4	
03280400 DISPLAY ELECT UNIT #4	-	-	1.0	-	-	-	1/1	7	
03310100 INT LTS-LEFT/CNTR	-	-	1.0	-	-	-	1/1	4	
03310200 INT LTS-OVHD	-	-	1.0	-	-	-	1/1	4	
03310300 INT LTS - RIGHT	-	-	1.0	-	-	-	1/1	4	
03310400 INT LTS - REAR	-	-	1.0	-	-	-	1/1	4	

C-91

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC	ON TIME			
	(HHMMSS)	(HHMMSS)	(0-1.0)	(HHMMSS)	(0-1.0)				
<u>ACTIVITY BLOCK: 401 - ORBITAL CONFIGURATION 1</u>									
03350100 MID DECK FLDLTS-1,5,8	+0001000	-	1.0	-	-	3/2	7		
03350300 MID DECK FLDLTS-4,7,9	+0001000	-	1.0	-	-	3/2	7		
03420100 CABIN FLOODLIGHTS-AFT	-	-	1.0	-	-	2/2	4		
03420200 GLARESHIELD FLDLTS-LEFT	-	-	1.0	-	-	1/1	7		
03420300 GLARESHIELD FLDLTS-RIGHT	-	-	1.0	-	-	1/1	7		
03730100 ANNUN LTS - LEFT/CNTR	-	-	1.0	-	-	1/1	4		
03730200 ANNUN LTS - OVHD	-	-	1.0	-	-	1/1	7		
03730300 ANNUN LTS - RIGHT	-	-	1.0	-	-	1/1	7		
06020100 PYRO EVENT CNTLR-FWD #1	-	+0000100	1.0	-	-	1/1	7		
06020200 PYRO EVENT CNTLR-FWD #2	-	+0000100	1.0	-	-	1/1	7		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 401 - ORBITAL CONFIGURATION 1</u>									
06030100 MASTER EVENT CNTLR-AFT#1	-	+0000100	1.0	-	-	1/1	7		
06030200 MASTER EVENT CNTLR-AFT#2	-	+0000100	1.0	-	-	1/1	7		
06040100 LOAD CNTLR ASSY-FWD #1	-	-	.33	-	-	1/1	7		
06040200 LOAD CNTLR ASSY-FWD #2	-	-	.33	-	-	1/1	7		
06040300 LOAD CNTLR ASSY-FWD #3	-	-	.33	-	-	1/1	7		
06050100 LOAD CNTLR ASSY-AFT #1	-	-	.33	-	-	1/1	7		
06050200 LOAD CNTLR ASSY-AFT #2	-	-	.33	-	-	1/1	7		
06050300 LOAD CNTLR ASSY-AFT #3	-	-	.33	-	-	1/1	7		
06060100 DC PWR CNTLR ASSY-FWD #1	-	-	.50	-	-	1/1	7		
06060200 DC PWR CNTLR ASSY-FWD #2	-	-	.50	-	-	1/1	7		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAG	CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC ON TIME (0-1.0)			
<u>ACTIVITY BLOCK: 401 - ORBITAL CONFIGURATION 1</u>								
06060300 DC PWR CNTLR ASSY-FWD #3	-	-	.50	-	-	1/1	7	
06070100 DC PWR CNTLR ASSY-AFT #1	-	-	.50	-	-	1/1	7	
06070200 DC PWR CNTLR ASSY-AFT #2	-	-	.50	-	-	1/1	7	
06070300 DC PWR CNTLR ASSY-AFT #3	-	-	.50	-	-	1/1	7	
06080100 MAIN DC DIST&CONTL ASSY#1	-	-	1.0	-	-	1/1	7	
06080200 MAIN DC DIST&CONTL ASSY#2	-	-	1.0	-	-	1/1	7	
06080300 MAIN DC DIST&CONTL ASSY#3	-	-	1.0	-	-	1/1	7	
06101100 INV DIST & CNTL ASSY #1	-	-	.67	-	-	1/1	7	
06101200 INV DIST & CNTL ASSY #2	-	-	.67	-	-	1/1	7	
06101300 INV DIST & CNTL ASSY #3	-	-	.67	-	-	1/1	7	

C-94

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	BPF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 401 - ORBITAL CONFIGURATION 1</u>									
06102100 INV DIST & CNTL ASSY #1	-	-	.67	-	-	1/1	7		
06102200 INV DIST & CNTL ASSY #2	-	-	.67	-	-	1/1	7		
06102300 INV DIST & CNTL ASSY #3	-	-	.67	-	-	1/1	7		
06120100 DC PWR CNTLR ASSY-MID #1	-	-	.50	-	-	1/1	7		
06120200 DC PWR CNTLR ASSY-MID #2	-	-	.50	-	-	1/1	7		
06120300 DC PWR CNTLR ASSY-MID #3	-	-	.50	-	-	1/1	7		
07010300 COMPUTER #3	-	+0003000	1.0	-	-	1/1	4		
07010400 COMPUTER #4	-	+0003000	1.0	-	-	1/1	4		
07010500 COMPUTER #5	-	+0003000	1.0	-	-	1/1	4		
07030300 MDM FF3	-	+0003000	1.0	-	-	1/1	4		

C-95

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC				
					ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 401 - ORBITAL CONFIGURATION 1</u>									
07040200 MDM FA2	-	+0003000	1.0	-	-	1/1	4		
07040300 MDM FA3 & FA4	-	+0003000	1.0	-	-	2/2	4		
07090210 MASS MEM #2(TAPE) STBY	-	-	1.0	-	-	1/1	4		
07150100 ENG INTERFACE UNIT #1	-	+0000330	1.0	-	-	1/1	7		
07150200 ENG INTERFACE UNIT #2	-	+0000330	1.0	-	-	1/1	7		
07150300 ENG INTERFACE UNIT #3	-	+0000330	1.0	-	-	1/1	7		
20010100 MAIN ENG CNTLR #1	-	+0000300	1.0	-	-	1/1	7		
20010200 MAIN ENG CNTLR #2	-	+0000300	1.0	-	-	1/1	7		
20010300 MAIN ENG CNTLR #3	-	+0000300	1.0	-	-	1/1	7		
20030100 LO2 PRVLV SOL-SET 1	-	+0000300	1.0	-	-	2/1	7		

C-96

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON {HHMMSS}	OFF {HHMMSS}	USE FACTOR (0-1.0)	PERIOD {HHMMSS}	DEC FRAC				
					ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 401 - ORBITAL CONFIGURATION 1</u>									
20030200 LO2 PRVLV SOL-SET 2	-	+0000300	1.0	-	-	2/1	7		
20030300 LO2 PRVLV SOL-SET 3	-	+0000300	1.0	-	-	2/1	7		
20040100 LH2 PRVLV SOL-SET 1	-	+0000300	1.0	-	-	2/1	7		
20040200 LH2 PRVLV SOL-SET 2	-	+0000300	1.0	-	-	2/1	7		
20040300 LH2 PRVLV SOL-SET 3	-	+0000300	1.0	-	-	2/1	7		
20050000 LO2 FED VLV #1 (O/B) SOL	-	+0000400	1.0	-	-	2/1	7		
20060000 LO2 FED VLV #2 (O/B) SOL	-	+0000400	1.0	-	-	2/1	7		
20070100 LH2 FED VLV #1 (O/B) SOL	-	+0000400	1.0	-	-	1/1	7		
20080100 LH2 FED VLV #2 (O/B) SOL	-	+0000400	1.0	-	-	1/1	7		
20110100 ET/ORB LO2 FEED DISC SOV	-	+0000400	1.0	-	-	1/1	7		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 401 - ORBITAL CONFIGURATION 1</u>									
20120200 ET/ORB LH2 FEED DISC SOV	-	+0000400	1.0	-	-	1/1	7		
20130100 ET/ORB RECIRC DISC SOV	-	+0000400	1.0	-	-	1/1	7		
20180100 LO2 FEEDLN RPRSS VLV #1	-	+0000300	1.0	-	-	1/1	7		
20180200 LO2 FEEDLN RPRSS VLV #2	-	+0000300	1.0	-	-	1/1	7		
20190100 LH2 FEEDLN RPRSS VLV #1	-	+0000300	1.0	-	-	1/1	7		
20190200 LH2 FEEDLN RPRSS VLV #2	-	+0000300	1.0	-	-	1/1	7		
20200100 HE CROSSOVER VLV #1	-	+0000300	1.0	-	-	1/1	7		
20200200 HE CROSSOVER VLV #2	-	+0000300	1.0	-	-	1/1	7		
20200300 HE CROSSOVER VLV #3	-	+0000300	1.0	-	-	1/1	7		
20210100 ENG HE SUP ISO SOL #1	-	+0000400	1.0	-	-	2/2	7		

C-98

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC				
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 401 - ORBITAL CONFIGURATION 1</u>									
20210200 ENG HE SUP ISO SOL #2	-	+0000400	1.0	-	-	2/2	7		
20210300 ENG HE SUP ISO SOL #3	-	+0000400	1.0	-	-	2/2	7		
20220100 VEH HE SUP ISO SOL #1	-	+0000400	1.0	-	-	1/1	7		
20220200 VEH HE SUP ISO SOL #2	-	+0000400	1.0	-	-	1/1	7		
20270100 ET ULLAGE SIG CND PKG #1	-	+0000400	1.0	-	-	1/1	7		
20270200 ET ULLAGE SIG CND PKG #2	-	+0000400	1.0	-	-	1/1	7		
20270300 ET ULLAGE SIG CND PKG #3	-	+0000400	1.0	-	-	1/1	7		
20280000 POINT SENSOR ELECTRONICS	-	+0000400	1.0	-	-	1/1	7		
21240100 QNTY GAGE PROBE #1	-	+0000100	1.0	-	-	1/1	7		
21240200 QNTY GAGE PROBE #2	-	+0000100	1.0	-	-	1/1	7		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC ON TIME (0-1.0)	FRAC			
<u>ACTIVITY BLOCK: 401 - ORBITAL CONFIGURATION 1</u>									
21240300									
QNTY GAGE PROBE #3 & #4	-	+0000100	1.0	-	-	2/2	7		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC	FRAC			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 402 - DELTA DAY</u>									
03220100 DISP DRVR UNIT-CRW FWD 1	-	-	1.0	-	-		1/1	4	
03220300 DISP DRVR UNIT-CRW APT 3		-	1.0	-	-		1/1	7	
03270100 CRT DISPLAY UNIT #1	-	-	1.0	-	-		1/1	4	
03270400 CRT DISPLAY UNIT #4	-	-	1.0	-	-		1/1	7	
03280100 DISPLAY ELECT UNIT #1	-	-	1.0	-	-		1/1	4	
03280400 DISPLAY ELECT UNIT #4	-	-	1.0	-	-		1/1	7	
03310100 INT LTS-LEFT/CNTR	-	-	1.0	-	-		1/1	4	
03310200 INT LTS-OVHD	-	-	1.0	-	-		1/1	4	
03310300 INT LTS-RIGHT	-	-	1.0	-	-		1/1	4	
03310400 INT LTS-REAR	-	-	1.0	-	-		1/1	4	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC	ON TIME			
	{HHMMSS}	{HHMMSS}	FACTOR {0-1.0}	{HHMMSS}	{0-1.0}				
<u>ACTIVITY BLOCK: 402 - DELTA DAY</u>									
03350100 MID DECK FLDLTS-1,5,8	-	-	1.0	-	-	3/2	7		
03350300 MID DECK FLDLTS-4,7,9	-	-	1.0	-	-	3/2	7		
03420100 CABIN FLOODLIGHTS-AFT	-	-	1.0	-	-	2/2	4		
03420200 GLARESHIELD FLDLTS-LEFT	-	-	1.0	-	-	1/1	7		
03420300 GLARESHIELD FLDLTS-RIGHT	-	-	1.0	-	-	1/1	7		
03730100 ANNUN LTS-LEFT/CNTR	-	-	1.0	-	-	1/1	4		
03730200 ANNUN LTS-OVHD	-	-	1.0	-	-	1/1	7		
03730300 ANNUN LTS-RIGHT	-	-	1.0	-	-	1/1	7		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 403 - STATION KEEPING</u>									
01050200 RATE GYRO ASSY-AFT #2	-0000500	-	1.0	-	-	1/1	4		
01170100 ROT HAND CONTLR - RH	-	-	.15	-	-	1/1	4		
01170200 ROT HAND CONTLR - LH	-	-	.15	-	-	1/1	4		
01170300 ROT HAND CONTLR - PSS	-	-	.15	-	-	1/1	7		
03010100 ATTITUDE DIR IND-FWD RH	-	-	1.0	-	-	1/1	4		
03010200 ATTITUDE DIR IND-FWD LH	-	-	1.0	-	-	1/1	4		
03540000 DOCKING SPOT LIGHTS	-	-	1.0	-	-	2/2	7		

C-103

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 404 - IMU ALIGN</u>									
01030100 STAR TRKER & LT SHLD #1	-0001500	-	1.0	-	-	1/1	7		
01030200 STAR TRKER & LT SHLD #2	-0001500	-	1.0	-	-	1/1	7		
01030300 STAR TRKER & LT SHLD #3	-0001500	-	1.0	-	-	1/1	7		
01170100 ROT HAND CONTRL - RH	-	-	1.0	-	-	1/1	4		
01170200 ROT HAND CONTRL - LH	-	-	1.0	-	-	1/1	4		
01170300 ROT HAND CONTRL - PSS	-	-	1.0	-	-	1/1	7		
03010100 ATTITUDE DIR IND-FWD RH	-	-	1.0	-	-	1/1	4		
03010200 ATTITUDE DIR IND-FWD LH	-	-	1.0	-	-	1/1	4		
52040100 STARTRACKER DOOR DRIVE 1	-	+0000100	1.0	-	-	1/1	7		
52040200 STARTRACKER DOOR DRIVE 2	-	+0000100	1.0	-	-	1/1	7		

C-104

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 405 - RENDEZVOUS</u>									
01030100 STAR TRKER & LT SHLD #1	-	-	1.0	-	-	1/1	7		
02501100 KU-BD RDR/COM A EL ASY#1	-	-	1.0	-	-	1/1	3		
02501200 KU-BD RDR/COM A EL ASY#2	-	-	1.0	-	-	1/1	3		
02502100 KU-BD RDR/COM A EL ASY#1	-	-	1.0	-	-	1/1	3		
02502200 KU-BD RDR/COM A EL ASY#2	-	-	1.0	-	-	1/1	3		
02521000 KU-BD RDR/COMM A DPY ASY	-	-	1.0	-	-	1/1	3		
02522000 KU-BD RDR/COMM A DPY ASY	-	-	1.0	-	-	1/1	3		
03120000 CROSS POINTER IND	-	-	1.0	-	-	1/1	7		
03180100 EVENT TIMER #1	-	-	1.0	-	-	1/1	7		
03180200 EVENT TIMER #2	-	-	1.0	-	-	1/1	7		

C-105

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC	FRAC			
					ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 405 - RENDEZVOUS</u>									
03510000 RNDZ LIGHT	-	-	.05	-	-		1/1	7	
52040100 STARTRACKER DOCR DRIVE 1	-	+0000100	1.0	-	-		1/1	7	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC				
					ON TIME (0-1.0)	FRAC			
<u>ACTIVITY BLOCK: 406 - DOCKING</u>									
01050200 RATE GYRO ASSY-AFT #2	-0000500	-	1.0	-	-		1/1	4	
01170100 ROT HAND CONTRL - RH	-	-	1.0	-	-		1/1	4	
01170200 ROT HAND CONTRL - LH	-	-	1.0	-	-		1/1	4	
01170300 ROT HAND CONTRL - PSS	-	-	1.0	-	-		1/1	7	
02010100 BEW TV MONITOR #1	-	-	1.0	-	-		1/1	7	
02030000 TV CAMERA COLOR & MON	-	-	1.0	-	-		1/1	7	
03250100 MANIP HAND CONTRL #1	-	-	1.0	-	-		1/1	7	
03430000 REAR STA LTS-PSS/MSS	-	-	1.0	-	-		2/2	7	
03500100 MANIP SPOT LIGHT	-	-	1.0	-	-		1/1	7	
03500200 MANIP SPOT LIGHT(KIT)	-	-	1.0	-	-		1/1	8	

C-107

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC				
					ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 406 - DOCKING</u>									
03540000 DOCKING SPOT LTS	-	-	1.0	-	-	2/2	7		
51010000 MANIPULATOR	+0000022	+0001022	1.0	-	-	1/1	7		
51020100 MANIP DEPLOY DRV-SET A	+0000010	+0000022	1.0	-	-	2/2	7		
51020200 MANIP DEPLOY DRV-SET B	+0000010	+0000022	1.0	-	-	3/3	7		
51020300 MANIP DEPLOY DRV-SET C	+0000010	+0000022	1.0	-	-	3/3	7		
51030100 MANIP RET LTCH DRV-SET A	-	+0000010	1.0	-	-	2/2	7		
51030200 MANIP RET LTCH DRV-SET B	-	+0000010	1.0	-	-	2/2	7		
51030300 MANIP RET LTCH DRV-SET C	-	+0000010	1.0	-	-	2/2	7		
51040100 MANIP CNTL INTFCE UNIT 1	-	-	1.0	-	-	1/1	7		

C-108

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC	ON TIME			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	(0-1.0)				
<u>ACTIVITY BLOCK: 407 - UNDOCKING</u>									
01050200 RATE GYRO ASSY-AFT #2	-0000500	-	1.0	-	-	1/1	4		
01170100 ROT HAND CONTRL - RH	-	-	1.0	-	-	1/1	4		
01170200 ROT HAND CONTRL - LH	-	-	1.0	-	-	1/1	4		
01170300 ROT HAND CONTRL - PSS	-	-	1.0	-	-	1/1	7		
02010100 B&W TV MONITOR #1	-	-	1.0	-	-	1/1	7		
02030000 TV CAMERA COLOR & MON	-	-	1.0	-	-	1/1	7		
03250100 MANIP HAND CONTRL #1	-	-	1.0	-	-	1/1	7		
03430000 REAR STA LTS-PSS/MSS	-	-	1.0	-	-	2/2	7		
03500100 MANIP SPOT LIGHT	-	-	1.0	-	-	1/1	7		
03500200 MANIP SPOT LIGHT (KIT)	-	-	1.0	-	-	1/1	8		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC	FRAC			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 407 - UNDOCKING</u>									
03540000 DOCKING SPOT LTS	-	-	1.0	-	-		2/2	7	
51010000 MANIPULATOR	-	+0001000	1.0	-	-		1/1	7	
51020100 MANIP DEPLOY DRV-SET A	+0001000	+0001012	1.0	-	-		2/2	7	
51020200 MANIP DEPLOY DRV-SET B	+0001000	+0001012	1.0	-	-		3/3	7	
51020300 MANIP DEPLOY DRV-SET C	+0001000	+0001012	1.0	-	-		3/3	7	
51030100 MANIP RET LTCH DRV-SET A	+0001012	+0001022	1.0	-	-		2/2	7	
51030200 MANIP RET LTCH DRV-SET B	+0001012	+0001022	1.0	-	-		2/2	7	
51030300 MANIP RET LTCH DRV-SET C	+0001012	+0001022	1.0	-	-		2/2	7	
51040100 MANIP CNTL INTFCE UNIT 1	-	-	1.0	-	-		1/1	7	

C-110

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC				
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 408 - IVA</u>									
02010100 B&W TV MONITOR #1	-	-	.1	-	-	1/1	7		
02030000 TV CAMERA COLOR & MON	-	-	.1	-	-	1/1	7		
03180100 EVENT TIMER #1	-	-	1.0	-	-	1/1	7		
03410000 AIRLOCK LIGHTS	-	-	1.0	-	-	3/3	7		

C-III

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT ^o NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 409 - EVA</u>									
02010100 B&W TV MONITOR #1	-	-	1.0	-	-	1/1	7		
02010200 B&W TV MONITOR #2	-	-	1.0	-	-	1/1	7		
02020000 TV REMOTE CONTROL	-	-	1.0	-	-	1/1	7		
02030000 TV CAMERA COLOR & MON	-	-	1.0	-	-	1/1	7		
02040100 TV CAMERA B&W #1	-	-	1.0	-	-	1/1	7		
02040200 TV CAMERA B&W #2	-	-	1.0	-	-	1/1	7		
02050100 PAN TILT ASSY #1	-	-	1.0	-	-	1/1	7		
02050200 PAN TILT ASSY #2	-	-	1.0	-	-	1/1	7		
02070000 VIDEO SWITCHING NETWORK	-	-	1.0	-	-	1/1	7		
02560000 EVA/ATC TRANSCEIVER-EVA	-0010000	-	.31	-	-	1/1	7		

C-112

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC	FRAC			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 409 - EVA</u>									
03180100 EVENT TIMER #1	-	-	1.0	-	-		1/1	7	
03410000 AIRLOCK LIGHTS	-0001500	-	1.0	-	-		3/3	7	
03540000 DOCKING SPOT LIGHTS	-	-	1.0	-	-		2/2	7	
06160000 EVLSS PWR SUPPLY/EAT CHG	-0020000	-0010000	.0625	-	-		1/1	7	
06160000 EVLSS PWR SUPPLY/BAT CHG	-0010000	-	1.0	-	-		1/1	7	

C-113

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC	ON TIME			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	(0-1.0)				
<u>ACTIVITY BLOCK: 410 - POST EVA</u>									
02560000 EVA/ATC TRANSCEIVER-EVA	-	+0010000	.31	-	-	1/1	7		
03410000 AIRLOCK LIGHTS	-	+0003000	1.0	-	-	3/3	7		
06160000 EVLSS PWR SUPPLY/BAT CHG	+0010000	+0240000	.0625	-	-	1/1	7		
06160000 EVLSS PWR SUPPLY/BAT CHG	-	+0010000	1.0	-	-	1/1	7		

C-11A

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC	ON TIME			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	(0-1.0)				
<u>ACTIVITY BLOCK: 411 - TV (CREW)</u>									
02010100 B&W TV MONITOR #1	-	-	1.0	-	-	1/1	7		
02030000 TV CAMERA COLOR & MON	-	-	1.0	-	-	1/1	7		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON {HHMMSS}	OFF {HHMMSS}	USE FACTOR (0-1.0)	PERIOD {HHMMSS}	DEC FRAC				
					ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 412 - EAT</u>									
40100100 OVEN HEATER #1	-0003000	+0003000	1.0	-	-	1/1	7		
40111100 INST&CNTLS-OVEN FANS-DC1	-0003000	+0003000	1.0	-	-	1/1	7		
40112100 INST&CNTLS-OVEN FANS-AC1	-0003000	+0003000	1.0	-	-	1/1	7		
40120100 WATER HEATER #1	-	+0003900	1.0	-	-	1/1	7		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC	FRAC			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 413 - WASTE MANAGEMENT</u>									
03360000 MID DECK WASTE MGMT LTS	-	-	1.0	-	-		2/2	7	
40160000 SOLIDS COLLECTION SLNGR	+0000500	-	1.0	-	-		1/1	7	
40170000 WATER SEP-LIFE SUPPORT	-	-	1.0	-	-		1/1	7	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC	ON TIME			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	(0-1.0)				
<u>ACTIVITY BLOCK: 414 - SLEEP (PRE)</u>									
03360000 MID DECK SLEEP STA LTS	-	-	1.0	-	-	-	4/4	7	
03380000 MID DECK WASTE MGMT LTS	-	-	1.0	-	-	-	2/2	7	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC	FRAC			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 415 - FUEL CELL PURGE</u>									
30010100 GO2 PURGE VENT HTR #1	-	-	1.0	-	-		1/1	7	
30020100 GH2 PURGE VENT HTR #1	-	-	1.0	-	-		1/1	7	
30060100 FCP #1 GO2 PURGE VLV	-	-	1.0	-	-		1/1	4	
30060200 FCP #2 GO2 PURGE VLV	-	-	1.0	-	-		1/1	4	
30060300 FCP #3 GO2 PURGE VLV	-	-	1.0	-	-		1/1	4	
30070100 FCP #1 GH2 PURGE VLV	-	-	1.0	-	-		1/1	4	
30070200 FCP #2 GH2 PURGE VLV	-	-	1.0	-	-		1/1	4	
30070300 FCP #3 GH2 PURGE VLV	-	-	1.0	-	-		1/1	4	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC				
					ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 416 - DEORBIT PREP 1</u>									
01010200 IMU #2 OPERATE	+0003001	-	1.0	-	-		1/1	4	
01010210 IMU #2 STANDBY	-	+0003000	1.0	-	-		1/1	4	
01010300 IMU #3 OPERATE	+0003001	-	1.0	-	-		1/1	4	
01010310 IMU #3 STANDBY	-	+0003000	1.0	-	-		1/1	4	
01040100 AIR DATA XDCR ASSY #1	+0004500	-	1.0	-	-		1/1	4	
01040200 AIR DATA XDCR ASSY #2	+0004500	-	1.0	-	-		1/1	4	
01040300 AIR DATA XDCR ASSY #3	+0004500	-	1.0	-	-		1/1	4	
01040400 AIR DATA XDCR ASSY #4	+0004500	-	1.0	-	-		1/1	4	
01050200 RATE GYRO ASSY-AFT #2	+0005500	-	1.0	-	-		1/1	4	
01050300 RATE GYRO ASSY-AFT #3	+0005500	-	1.0	-	-		1/1	4	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC				
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 416 - DEORBIT PREP 1</u>									
01090100 AERO SRF SRV AMP#1-AFT	+0005930	-	1.0	-	-	1/1	4		
01090200 AERO SRF SRV AMP#2-AFT	+0005930	-	1.0	-	-	1/1	4		
01090300 AERO SRF SRV AMP#3/4-AFT	+0005930	-	1.0	-	-	2/2	4		
01110100 REAC JET DRVR #1 FWD	-	-	1.0	-	-	1/1	7		
01110200 REAC JET DRVR #2 FWD	-	-	1.0	-	-	1/1	7		
01140100 ACCEL ASSY FWD #	+0005500	-	1.0	-	-	1/1	4		
01140200 ACCEL ASSY FWD #2	+0005500	-	1.0	-	-	1/1	4		
01140300 ACCEL ASSY FWD #3	+0005500	-	1.0	-	-	1/1	4		
01170100 ROT HAND CONTLR-RH	+0005930	-	1.0	-	-	1/1	4		
01170200 ROT HAND CONTLR-LH	+0005930	-	1.0	-	-	1/1	4		

C-121

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC	ON TIME			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	(0-1.0)				
<u>ACTIVITY BLOCK: 416 - DEORBIT PREP 1</u>									
01170300 ROT HAND CNTLR-PSS	+0005930	-	1.0	-	-	1/1	7		
01180100 RUD PDL XDUCER ASSY-RH	+0003000	-	1.0	-	-	1/1	4		
01180200 RUD PDL XDUCER ASSY-LH	+0003000	-	1.0	-	-	1/1	4		
01190100 SPD BRK THRST CNTLR-RH	+0003000	-	1.0	-	-	1/1	4		
01190200 SPD BRK THRST CNTLR-LH	+0003000	-	1.0	-	-	1/1	4		
02170100 TACAN #1	+0003000	-	1.0	-	-	1/1	4		
02170200 TACAN #2	+0003000	-	1.0	-	-	1/1	4		
02170300 TACAN #3	+0003000	-	1.0	-	-	1/1	4		
02190100 MSBLS DCDR ASSY #1	+0003000	-	1.0	-	-	1/1	4		
02190200 MSBLS DCDR ASSY #2	+0003000	-	1.0	-	-	1/1	4		

C-122

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	RFF	REMARKS
	ON	OFF	USE	PERIOD	DEC	FRAC			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 416 - DEORBIT PREP 1</u>									
0219L300 MSBLS DCDR ASSY #3	+0003000	-	1.0	-	-		1/1	4	
02200100 MSBLS RF ASSY #1	+0003000	-	1.0	-	-		1/1	4	
02200200 MSBLS RF ASSY #2	+0003000	-	1.0	-	-		1/1	4	
02200300 MSBLS RF ASSY #3	+0003000	-	1.0	-	-		1/1	4	
02210100 RADAR ALTIMETER #1	+0003000	-	1.0	-	-		1/1	4	
02210200 RADAR ALTIMETER #2	+0003000	-	1.0	-	-		1/1	4	
02560020 EVA/ATC TRANS-XMIT	+0003000	-	.39	-	-		1/1	7	
03010100 ATTITUDE DIR IND FWD RH	+0003000	-	1.0	-	-		1/1	4	
03010200 ATTITUDE DIR IND FWD LH	+0003000	-	1.0	-	-		1/1	4	
03020100 HORIZ SIT IND #1	+0003000	-	1.0	-	-		1/1	4	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 416 - DEORBIT PREP 1</u>									
03020200 HORIZ SIT IND #2	+0003000	-	1.0	-	-	1/1	4		
03030100 AS/MACH INDICATOR #1	+0003000	-	1.0	-	-	1/1	4		
03030200 AS/MACH INDICATOR #2	+0003000	-	1.0	-	-	1/1	4		
03040100 AS/MACH ELEC UNIT #1	+0003000	-	1.0	-	-	1/1	4		
03040200 AS/MACH ELEC UNIT #2	+0003000	-	1.0	-	-	1/1	4		
03050100 ALT VER VEL IND #1	+0003000	-	1.0	-	-	1/1	4		
03050200 ALT VER VEL IND #2	+0003000	-	1.0	-	-	1/1	4		
03060100 ALT VER VEL ELEC UNIT #1	+0003000	-	1.0	-	-	1/1	4		
03060200 ALT VER VEL ELEC UNIT #2	+0003000	-	1.0	-	-	1/1	4		
03070100 TAPE METER (ASC-ENT)	+0003000	-	1.0	-	-	1/1	4		

C-124

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC	ON TIME			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	(0-1.0)				
<u>ACTIVITY BLOCK: 416 - DEORBIT PREP 1</u>									
03070300 TAPE METER (ASC-ENT)	+0003000	-	1.0	-	-		1/1	7	
03130000 SURF POSITION IND	+0003000	-	1.0	-	-		1/1	4	
03140000 OMS/RCS PROP QTY IND	+0003000	-	1.0	-	-		1/1	7	
03180100 EVENT TIMER #1	-	-	1.0	-	-		1/1	7	
03220100 DISP DRVR UNIT-CRW FWD 1	-	-	1.0	-	-		1/1	4	
03220200 DISP DRVR UNIT-CRW FWD 2	+0001000	-	1.0	-	-		1/1	4	
03220300 DISP DRVR UNIT-CRW AFT 3	-	-	1.0	-	-		1/1	7	
03270100 CRT DISPLAY UNIT #1	-	-	1.0	-	-		1/1	4	
03270200 CRT DISPLAY UNIT #2	+0001000	-	1.0	-	-		1/1	4	
03270300 CRT DISPLAY UNIT #3	+0001000	-	1.0	-	-		1/1	4	

C-125

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 416 - DEORBIT PREP 1</u>									
03270400 CRT DISPLAY UNIT #4	-	-	1.0	-	-	1/1	7		
03280100 DISPLAY ELECT UNIT #1	-	-	1.0	-	-	1/1	4		
03280200 DISPLAY ELECT UNIT #2	+0001000	-	1.0	-	-	1/1	4		
03280300 DISPLAY ELECT UNIT #3	+0001000	-	1.0	-	-	1/1	4		
03280400 DISPLAY ELECT UNIT #4	-	-	1.0	-	-	1/1	7		
03310100 INT LTS - LEFT/CNTR	-	-	1.0	-	-	1/1	4		
03310200 INT LTS - OVED	-	-	1.0	-	-	1/1	4		
03310300 INT LTS - RIGHT	-	-	1.0	-	-	1/1	4		
03310400 INT LTS - REAR	-	-	1.0	-	-	1/1	4		
03350100 MID DECK FLDLTS - 1,5,8	-	-	1.0	-	-	3/2	7		

C-126

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC				
					ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 416 - DEORBIT PREP 1</u>									
03350300 HID DECK FLDLTS - 4,7,9	-	-	1.0	-	-		3/2	7	
03420100 CABIN FLOODLIGHTS-AFT	-	-	1.0	-	-		2/2	4	
03420200 GLARESHIELD FLDLTS-LEFT	-	-	1.0	-	-		1/1	7	
03420300 GLARESHIELD FLDLT--RIGHT	-	-	1.0	-	-		1/1	7	
03730100 ANNUN LTS - LEFT/CNTR	-	-	1.0	-	-		1/1	4	
03730200 ANNUN LTS - OVHD	-	-	1.0	-	-		1/1	7	
03730300 ANNUN LTS - RIGHT	-	-	1.0	-	-		1/1	7	
06020100 PYRO EVENT CNTLR-FWD #1	+0003000	-	1.0	-	-		1/1	7	
06020200 PYRO EVENT CNTLR-FWD #2	+0003000	-	1.0	-	-		1/1	7	
06030100 MASTER EVENT CNTLR-AFT#1	+0003000	-	1.0	-	-		1/1	7	

TABLE C-1.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC				
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 416 - DEORBIT PREP 1</u>									
06030200 MASTER EVENT CNTLR-AFT#2	+0003000	-	1.0	-	-	1/1	7		
06040100 LOAD CNTLR ASSY-FWD #1	-	-	.33	-	-	1/1	7		
06040200 LOAD CNTLR ASSY-FWD #2	-	-	.33	-	-	1/1	7		
06040300 LOAD CNTLR ASSY-FWD #3	-	-	.33	-	-	1/1	7		
06050100 LOAD CNTLR ASSY-AFT #1	-	-	.33	-	-	1/1	7		
06050200 LOAD CNTLR ASSY-AFT #2	-	-	.33	-	-	1/1	7		
06050300 LOAD CNTLR ASSY-AFT #3	-	-	.33	-	-	1/1	7		
06060100 DC PWR CNTLR ASSY-FWD #1	-	-	.50	-	-	1/1	7		
06060200 DC PWR CNTLR ASSY-FWD #2	-	-	.50	-	-	1/1	7		
06060300 DC PWR CNTLR ASSY-FWD #3	-	-	.50	-	-	1/1	7		

C-128

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EPP	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 416 - DEORBIT PREP 1</u>									
06070100 DC PWR CNTLR ASSY-AFT #1	-	-	.50	-	-	1/1	7		
06070200 DC PWR CNTLR ASSY-AFT #2	-	-	.50	-	-	1/1	7		
06070300 DC PWR CNTLR ASSY-AFT #3	-	-	.50	-	-	1/1	7		
06080100 MAIN DC DIST&CNTL ASSY#1	-	-	1.0	-	-	1/1	7		
06080200 MAIN DC DIST&CNTL ASSY#2	-	-	1.0	-	-	1/1	7		
06080300 MAIN DC DIST&CNTL ASSY#3	-	-	1.0	-	-	1/1	7		
06101100 INV DIST & CNTL ASSY #1	-	-	.67	-	-	1/1	7		
06101200 INV DIST & CNTL ASSY #2	-	-	.67	-	-	1/1	7		
06101300 INV DIST & CNTL ASSY #3	-	-	.67	-	-	1/1	7		
06102100 INV DIST & CNTL ASSY #1	-	-	.67	-	-	1/1	7		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC				
					ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 416 - DEORBIT PREP 1</u>									
06102200 INV DIST & CNTL ASSY #2	-	-	.67	-	-		1/1	7	
06102300 INV DIST & CNTL ASSY #3	-	-	.67	-	-		1/1	7	
06120100 DC PWR CNTLR ASSY-MID #1	-	-	.50	-	-		1/1	7	
06120200 DC PWR CNTLR ASSY-MID #2	-	-	.50	-	-		1/1	7	
06120300 DC PWR CNTLR ASSY-MID #3	-	-	.50	-	-		1/1	7	
07010300 COMPUTER #3	+0003000	-	1.0	-	-		1/1	4	
07010400 COMPUTER #4	+0003000	-	1.0	-	-		1/1	4	
07010500 COMPUTER #5	+0003000	-	1.0	-	-		1/1	4	
07030300 MDM FF3	+0003000	-	1.0	-	-		1/1	4	
07030400 MDM FF4	+0003000	-	1.0	-	-		1/1	4	

C-130

TABLE C-1.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC				
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 416 - DEORBIT PREP 1</u>									
07040200 MDM FA2	+0003000	-	1.0	-	-	1/1	4		
07040300 MDM FA3 & FA4	+0003000	-	1.0	-	-	2/2	4		
07090200 MASS MEM #2 (TAPE) OPER	+0003000	+0003500	1.0	-	-	1/1	4		
07090210 MASS MEM #2 (TAPE) STBY	+0003501	-	1.0	-	-	1/1	4		
21240100 QNTY GAGE PROBE #1	+0003000	-	1.0	-	-	1/1	7		
21240200 QNTY GAGE PROBE #2	+0003000	-	1.0	-	-	1/1	7		
21240300 QNTY GAGE PROBE #3 & #4	+0003000	-	1.0	-	-	2/2	7		
40310100 AMMONIA BOILER SYS #1	+0003000	-	1.0	-	-	1/1	4		
40310200 AMMONIA BOILER SYS #2	+0003000	-	1.0	-	-	1/1	4		
50090100 SSME #1 SYS S/O VALVE	+0003000	-	1.0	-	-	1/1	7		

C-131

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC ON TIME (0-1.0)	FRAC			
<u>ACTIVITY BLOCK: 416 - DEORBIT PREP 1</u>									
50090200 SSME #2 SYS S/O VALVE	+0003000	-	1.0	-	-	1/1	7		
50090300 SSME #3 SYS S/O VALVE	+0003000	-	1.0	-	-	1/1	7		
52050100 RCS TOP DOOR ACT #1	+0005800	+0005820	1.0	-	-	1/1	7		
52050200 RCS TOP DOOR ACT #2	+0005800	+0005820	1.0	-	-	1/1	7		
52060100 RCS LH SIDE DOOR ACT #1	+0005800	+0005820	1.0	-	-	1/1	7		
52060200 RCS LH SIDE DOOR ACT #2	+0005800	+0005820	1.0	-	-	1/1	7		
52070100 RCS RH SIDE DOOR ACT #1	+0005800	+0005820	1.0	-	-	1/1	7		
52070200 RCS RH SIDE DOOR ACT #2	+0005800	+0005820	1.0	-	-	1/1	7		

C-132

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC				
					ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 417 - PLB DOORS (OPEN)</u>									
51120100 RNDZ SNSR DPLY DR #1	+0000100	+0000120	1.0	-	-	1/1	7		
51120200 RNDZ SNSR DPLY DR #2	+0000100	+0000120	1.0	-	-	1/1	7		
52160100 P/L BAY DOOR DR (LH) #1	+0000012	+0000100	1.0	-	-	1/1	7		
52160200 P/L BAY DOOR DR (LH) #2	+0000012	+0000100	1.0	-	-	1/1	7		
52170100 P/L BAY DOOR DR (RH) #1	+0000012	+0000100	1.0	-	-	1/1	7		
52170200 P/L BAY DOOR DR (RH) #2	+0000012	+0000100	1.0	-	-	1/1	7		
52360100 PBD CIRCUM LTCH DR #1	-	+0000012	1.0	-	-	4/2	7		
52360200 PBD CIRCUM LTCH DR #2	-	+0000012	1.0	-	-	4/2	7		
52370100 PBD CNTR LTCH DR #1	-	+0000012	1.0	-	-	4/2	7		
52370200 PBD CNTR LTCH DR #2	-	+0000012	1.0	-	-	4/2	7		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC	FRAC			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 417 - PLB DOORS (OPEN)</u>									
52380100 RAD RET LTCH DR #1	+0000100	+0000106	1.0	-	-		2/2	7	
52380200 RAD RET LTCH DR #2	+0000100	+0000106	1.0	-	-		3/3	7	
52380300 RAD RET LTCH DR #3	+0000100	+0000106	1.0	-	-		2/2	7	
52390100 RAD DPLOY DR #1	+0000106	+0000406	1.0	-	-		2/2	7	
52390200 RAD DPLOY DR #2	+0000106	+0000406	1.0	-	-		2/2	7	

C-134

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC PRAC ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 418 - PLB DOORS (CLOSE)</u>									
51120100 RNDZ SNSR DPLY DR #1	-	+0000020	1.0	-	-	1/1	7		
51120200 RNDZ SNSR DPLY DR #2	-	+0000020	1.0	-	-	1/1	7		
52160100 P/L BAY DOOR DR (LH) #1	+0000326	+0000414	1.0	-	-	1/1	7		
52160200 P/L BAY DOOR DR (LH) #2	+0000326	+0000414	1.0	-	-	1/1	7		
52170100 P/L BAY DOOR DR (RH) #1	+0000326	+0000414	1.0	-	-	1/1	7		
52170200 P/L BAY DOOR DR (RH) #2	+0000326	+0000414	1.0	-	-	1/1	7		
52360100 PBD CIRCUM LTCH DR #1	+0000414	+0000426	1.0	-	-	4/2	7		
52360200 PBD CIRCUM LTCH DR #2	+0000414	+0000426	1.0	-	-	4/2	7		
52370100 PBD CNTR LTCH DR #1	+0000414	+0000426	1.0	-	-	4/2	7		
52370200 PBD CNTR LTCH DR #2	+0000414	+0000426	1.0	-	-	4/2	7		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 418 - PLB DOORS (CLOSE)</u>									
52380100 RAD RET LTCH DR #1	+0000320	+0000326	1.0	-	-	2/2	7		
52380200 RAD RET LTCH DR #2	+0000320	+0000326	1.0	-	-	3/3	7		
52380300 RAD RET LTCH DR #3	+0000320	+0000326	1.0	-	-	2/2	7		
52390100 RAD DPLY DR #1	+0000020	+0000320	1.0	-	-	2/2	7		
52390200 RAD DPLY DR #2	+0000020	+0000320	1.0	-	-	2/2	7		

C-136

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC				
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 460 - ORBITAL CONFIGURATION 2</u>									
03070200 TAPE METER (ASC)	-	+0000100	1.0	-	-	2/2	7		
03070400 TAPE METER (ASC)	-	+0000100	1.0	-	-	1/1	7		
03070500 TAPE METER (ASC)	-	+0000100	1.0	-	-	1/1	7		
07090210 MASS MEM #2 (TAPE) STBY	-	-	1.0	-	-	1/1	4		
07150100 ENG INTERFACE UNIT #1	-	+0000330	1.0	-	-	1/1	7		
07150200 ENG INTERFACE UNIT #2	-	+0000330	1.0	-	-	1/1	7		
07150300 ENG INTERFACE UNIT #3	-	+0000330	1.0	-	-	1/1	7		
20010100 MAIN ENG CNTLR #1	-	+0000300	1.0	-	-	1/1	7		
20010200 MAIN ENG CNTLR #2	-	+0000300	1.0	-	-	1/1	7		
20010300 MAIN ENG CNTLR #3	-	+0000300	1.0	-	-	1/1	7		

C-137

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC				
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 460 - ORBITAL CONFIGURATION 2</u>									
20030100 LO2 PRVLV SOL #1	-	+0000300	1.0	-	-	2/1	7		
20030200 LO2 PRVLV SOL #2	-	+0000300	1.0	-	-	2/1	7		
20030300 LO2 PRVLV SOL #3	-	+0000300	1.0	-	-	2/1	7		
20040100 LH2 PRVLV SOL #1	-	+0000300	1.0	-	-	2/1	7		
20040200 LH2 PRVLV SOL #2	-	+0000300	1.0	-	-	2/1	7		
20040300 LH2 PRVLV SOL #3	-	+0000300	1.0	-	-	2/1	7		
20050000 LO2 F&D VLV #1 (O/B) SOL	-	+0000400	1.0	-	-	2/1	7		
20060000 LO2 F&D VLV #2 (O/B) SOL	-	+0000400	1.0	-	-	2/1	7		
20070100 LH2 F&D VLV #1 (O/B) SOL	-	+0000400	1.0	-	-	1/1	7		
20080100 LH2 F&D VLV #2 (O/B) SOL	-	+0000400	1.0	-	-	1/1	7		

TABLE C-1.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFP	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC	ON TIME			
	(HHMMSS)	(HHMMSS)	{0-1.0}	(HHMMSS)	{0-1.0}				
<u>ACTIVITY BLOCK: 460 - ORBITAL CONFIGURATION 2</u>									
20110100 ET/ORB LO2 FEED DISC SOV	-	+0000400	1.0	-	-		1/1	7	
20120200 ET/ORB LH2 FEED DISC SOV	-	+0000400	1.0	-	-		1/1	7	
20130100 ET/ORB RECIRC DISC SOV	-	+0000400	1.0	-	-		1/1	7	
20180100 LO2 FEEDLN RPRSS VLV #1	-	+0000300	1.0	-	-		1/1	7	
20180200 LO2 FEEDLN RPRSS VLV #2	-	+0000300	1.0	-	-		1/1	7	
20190100 LH2 FEEDLN RPRSS VLV #1	-	+0000300	1.0	-	-		1/1	7	
20190200 LH2 FEEDLN RPRSS VLV #2	-	+0000300	1.0	-	-		1/1	7	
20200100 HE CROSSOVER VLV #1	-	+0000300	1.0	-	-		1/1	7	
20200200 HE CROSSOVER VLV #2	-	+0000300	1.0	-	-		1/1	7	
20200300 HE CROSSOVER VLV #3	-	+0000300	1.0	-	-		1/1	7	

C-139

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC				
					ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 460 - ORBITAL CONFIGURATION 2</u>									
20210100 ENG HE SUP ISO SOL #1	-	+0000400	1.0	-	-	2/2	7		
20210200 ENG HE SUP ISO SOL #2	-	+0000400	1.0	-	-	2/2	7		
20210300 ENG HE SUP ISO SOL #3	-	+0000400	1.0	-	-	2/2	7		
20220100 VEH HE SUP ISO SOL #1	-	+0000400	1.0	-	-	1/1	7		
20220200 VEH HE SUP ISO SOL #2	-	+0000400	1.0	-	-	1/1	7		
20270100 ET ULLAGE SIG-CND PKG #1	-	+0000400	1.0	-	-	1/1	7		
20270200 ET ULLAGE SIG-CND PKG #2	-	+0000400	1.0	-	-	1/1	7		
20270300 ET ULLAGE SIG-CND PKG #3	-	+0000400	1.0	-	-	1/1	7		
20280100 POINT SENSOR ELECTRONICS	-	+0000400	1.0	-	-	1/1	7		

C-140

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 461 - DEORBIT PREP 2</u>									
01040100 AIR DATA XDCR ASSY #1	+0001500	-	1.0	-	-	1/1	4		
01040200 AIR DATA XDCR ASSY #2	+0001500	-	1.0	-	-	1/1	4		
01040300 AIR DATA XDCR ASSY #3	+0001500	-	1.0	-	-	1/1	4		
01040400 AIR DATA XDCR ASSY #4	+0001500	-	1.0	-	-	1/1	4		
02170200 TACAN #2	+0001500	-	1.0	-	-	1/1	4		
0217300 TACAN #3	+0001500	-	1.0	-	-	1/1	4		
02190200 MSBLS DECODER ASSY #2	+0001500	-	1.0	-	-	1/1	4		
02190300 MSBLS DECODER ASSY #3	+0001500	-	1.0	-	-	1/1	4		
02200200 MSBLS RF ASSY #2	+0001500	-	1.0	-	-	1/1	4		
02200300 MSBLS RF ASSY #3	+0001500	-	1.0	-	-	1/1	4		

C-141

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC	FRAC			
					ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 461 - DEORBIT PREP 2</u>									
02210200 RADAR ALTIMETER #2	+0001500	-	1.0	-	-		1/1	4	
03020200 HORIZ SIT IND #2	+0001500	-	1.0	-	-		1/1	4	
07030400 MDM PF4	-	-	1.0	-	-		1/1	4	
07090200 MASS MLM #2 (TAPE) OPER	-	+0000500	1.0	-	-		1/1	4	
07090210 MASS MEM #2 (TAPE) STBY	+0000501	-	1.0	-	-		1/1	4	
40310100 AMMONIA BOILER SYS #1	-	-	1.0	-	-		1/1	4	
40310200 AMMONIA BOILER SYS #2	-	-	1.0	-	-		1/1	4	
50090100 SSME #1 SYS S/O VALVE	-	-	1.0	-	-		1/1	7	
50090200 SSME #2 SYS S/O VALVE	-	-	1.0	-	-		1/1	7	
50090300 SSME #3 SYS S/O VALVE	-	-	1.0	-	-		1/1	7	

C-142

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 461 - DEORBIT PREP 2</u>									
52050100 RCS TOP DOOR ACT #1	+0002800	+0002820	1.0	-	-	1/1	7		
52050200 RCS TOP DOOR ACT #2	+0002800	+0002820	1.0	-	-	1/1	7		
52060100 RCS LH SIDE DOOR ACT #1	+0002800	+0002820	1.0	-	-	1/1	7		
52060200 RCS LH SIDE DOOR ACT #2	+0002800	+0002820	1.0	-	-	1/1	7		
52070100 RCS RH SIDE DOOR ACT #1	+0002800	+0002820	1.0	-	-	1/1	7		
52070200 RCS RH SIDE DOOR ACT #2	+0002800	+0002820	1.0	-	-	1/1	7		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	BPF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC				
					ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 501 - APU (ASCENT)</u>									
32020100 FUEL ISOLATION VALVE #1	-0000500	-	1.0	-	-	1/1	4		
32020200 FUEL ISOLATION VALVE #2	-0000500	-	1.0	-	-	1/1	4		
32020300 FUEL ISOLATION VALVE #3	-0000500	-	1.0	-	-	1/1	4		
32030100 APU #1 CONTROLLER	-0001000	-	1.0	-	-	1/1	4		
32030200 APU #2 CONTROLLER	-0001000	-	1.0	-	-	1/1	4		
32030300 APU #3 CONTROLLER	-0001000	-	1.0	-	-	1/1	4		
50060100 MN PMP #1 DEPRESS VLV	-0000600	-0000500	1.0	-	-	1/1	4		
50060200 MN PMP #2 DEPRESS VLV	-0000600	-0000500	1.0	-	-	1/1	4		
50060300 MN PMP #3 DEPRESS VLV	-0000600	-0000500	1.0	-	-	1/1	4		
50110100 H2O BOILER #1 STM SOV	-0000400	-	1.0	-	-	1/1	4		

C-144

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 501 - APU (ASCENT)</u>									
50110200 H2O BOILER #2 STM SOV	-0000400	-	1.0	-	-	1/1	4		
50110300 H2O BOILER #3 STM SOV	-0000400	-	1.0	-	-	1/1	4		
50130100 H2O BOLR #1 THRM CNTL VL	+0000200	-	1.0	-	-	1/1	4		
50130200 H2O BOLR #2 THRM CNTL VL	+0000200	-	1.0	-	-	1/1	4		
50130300 H2O BOLR #3 THRM CNTL VL	+0000200	-	1.0	-	-	1/1	4		
50140100 H2O BOILER #1 ELECT CNTL	-0000500	-	1.0	-	-	1/1	4		
50140200 H2O BOILER #2 ELECT CNTL	-0000500	-	1.0	-	-	1/1	4		
50140300 H2O BOILER #3 ELECT CNTL	-0000500	-	1.0	-	-	1/1	4		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 502 - DESCENT (DEORBIT - 400,000 FEET)</u>									
01120100 REACT JET OMS DRVR#1-AFT	-	-	1.0	-	-	1/1	7		
01120200 REACT JET OMS DRVR#2-AFT	-	-	1.0	-	-	1/1	7		
01170100 ROT HAND CONTRL-RH	-	-	1.0	-	-	1/1	4		
01170200 ROT HAND CONTRL-LH	-	-	1.0	-	-	1/1	4		
01170300 ROT HAND CONTRL-PSS	-	-	1.0	-	-	1/1	7		
03140000 QNTY IND OMS/RCS	-	-	1.0	-	-	1/1	7		
22020100 THRUSTER-AFT #1-6	-	-	.01	-	-	6/4	7		
40280100 FLASH EVAPORATOR ELEC #1	-	-	1.0	-	-	1/1	7		
52320100 VENT DOOR MOTORS-SET 1	-0000108	-0000100	1.0	-	-	2/2	7		
52320200 VENT DOOR MOTORS-SET 2	-0000108	-0000100	1.0	-	-	2/2	7		

C-146

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR {0-1.0}	PERIOD {HHMMSS}	DEC	FRAC			
					ON TIME {0-1.0}				
<u>ACTIVITY BLOCK: 502 - DESCENT (DEORBIT - 400,000 FEET)</u>									
52330100 VENT DOOR MOTORS-SET 1	-0000108	-0000100	1.0	-	-		4/4	7	
52330200 VENT DOOR MOTORS-SET 2	-0000108	-0000100	1.0	-	-		4/4	7	
52340100 VENT DOOR MOTORS-SET 1	-0000108	-0000100	1.0	-	-		2/2	7	
52340200 VENT DOOR MOTORS-SET 2	-0000108	-0000100	1.0	-	-		2/2	7	

C-147

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC ON TIME (0-1.0)	FRAC			
<u>ACTIVITY BLOCK: 503 - DESCENT (400,000 FEET - STOPROLL)</u>									
01120100 REACT JET OMS DRVR #1-AFT	-	+0002620	1.0	-	-		1/1	7	
01120200 REACT JET OMS DRVR #2-AFT	-	+0002620	1.0	-	-		1/1	7	
20180100 LO2 FEEDLN RPRSS VLV #1	-0000200	+0002000	1.0	-	-		1/1	7	
20180200 LO2 FEEDLN RPRSS VLV #2	-0000200	+0002000	1.0	-	-		1/1	7	
20190100 LH2 FEEDLN RPRSS VLV #1	-0000200	+0002000	1.0	-	-		1/1	7	
20190200 LH2 FEEDLN RPRSS VLV #2	-0000200	+0002000	1.0	-	-		1/1	7	
20200100 HE CROSSOVER VLV #1	-0000200	+0002000	1.0	-	-		1/1	7	
20200200 HE CROSSOVER VLV #2	-0000200	+0002000	1.0	-	-		1/1	7	
20200300 HE CROSSOVER VLV #3	-0000200	+0002000	1.0	-	-		1/1	7	
20210100 ENG HE SUP ISO SOL #1	-0000200	+0002000	1.0	-	-		2/2	7	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC	FRAC			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 503 - DESCENT (400,000 FEET - STOPROLL)</u>									
20210200 ENG HE SUP ISO SOL #2	-0000200	+0002000	1.0	-	-		2/2	7	
20210300 ENG HE SUP ISO SOL #3	-0000200	+0002000	1.0	-	-		2/2	7	
20220100 VEH HE SUP ISC SOL #1	-0000200	+0002000	1.0	-	-		1/1	7	
20220200 VEH HE SUP ISO SOL #2	-0000200	+0002000	1.0	-	-		1/1	7	
40280100 FLASH EVAPORATOR ELEC #1	-	+0002344	1.0	-	-		1/1	7	
52180100 GN&C PROBE ACT LH-A-T #1	+0002517	+0002532	1.0	-	-		1/1	7	
52180200 GN&C PROBE ACT LH-A-T #2	+0002517	+0002532	1.0	-	-		1/1	7	
52200100 GN&C PROBE ACT RH-A-T #1	+0002517	+0002532	1.0	-	-		1/1	7	
52200200 GN&C PROBE ACT RH-A-T #2	+0002517	+0002532	1.0	-	-		1/1	7	
52300100 GNC PROBE HTRS - LEFT	+0002517	+0002700	1.0	-	-		1/1	4	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFP	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 503 - DESCENT (400,000 FEET - STOPROLL)</u>									
52300200 GNC PROBE HTRS - RIGHT	+0002517	+0002700	1.0	-	-	1/1	4		
52320100 VENT DOOR MOTORS-SET 1	+0002540	+0002547	1.0	-	-	2/2	7		
52320200 VENT DOOR MOTORS-SET 2	+0002540	+0002547	1.0	-	-	2/2	7		
52330100 VENT DOOR MOTORS-SET 1	+0002540	+0002547	1.0	-	-	4/4	7		
52330200 VENT DOOR MOTORS-SET 2	+0002540	+0002547	1.0	-	-	4/4	7		
52340100 VENT DOOR MOTORS-SET 1	+0002540	+0002547	1.0	-	-	2/2	7		
52340200 VENT DOOR MOTORS-SET 2	+0002540	+0002547	1.0	-	-	2/2	7		

C-150

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC	ON TIME			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	(0-1.0)				
<u>ACTIVITY BLOCK: 504 - POSTLANDING (STOPROLL - GSE)</u>									
01040100 AIR DATA XDCR ASSY #1	-	+0000630	1.0	-	-		1/1	4	
01040200 AIR DATA XDCR ASSY #2	-	+0000630	1.0	-	-		1/1	4	
01040300 AIR DATA XDCR ASSY #3	-	+0000630	1.0	-	-		1/1	4	
01040400 AIR DATA XDCR ASSY #4	-	+0000630	1.0	-	-		1/1	4	
01050200 RATE GYRO ASSY-AFT #2	-	+0000630	1.0	-	-		1/1	4	
01050300 RATE GYRO ASSY-AFT #3	-	+0000630	1.0	-	-		1/1	4	
01090100 AERO SRF SRV AMP#1-AFT	-	+0000630	1.0	-	-		1/1	4	
01090200 AERO SRF SRV AMP#2-AFT	-	+0000630	1.0	-	-		1/1	4	
01090300 AERO SRF SRV AMP#3/4-AFT	-	+0000630	1.0	-	-		2/2	4	
01140100 ACCEL ASSY FWD #1	-	+0000630	1.0	-	-		1/1	4	

C-151

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC	FRAC			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 504 - POSTLANDING (STOPROLL - GSE)</u>									
01140200 ACCEL ASSY FWD #2	-	+0000630	1.0	-	-		1/1	4	
01140300 ACCEL ASSY FWD #3	-	+0000630	1.0	-	-		1/1	4	
02170100 TACAN #1	-	+0000630	1.0	-	-		1/1	4	
02170200 TACAN #2	-	+0000630	1.0	-	-		1/1	4	
02170300 TACAN #3	-	+0000630	1.0	-	-		1/1	4	
02190100 MSBLS DECODER ASSY #1	-	+0000630	1.0	-	-		1/1	4	
02190200 MSBLS DECODER ASSY #2	-	+0000630	1.0	-	-		1/1	4	
02190300 MSBLS DECODER ASSY #3	-	+0000630	1.0	-	-		1/1	4	
02200100 MSBLS RF ASSY #1	-	+0000630	1.0	-	-		1/1	4	
02200200 MSBLS RF ASSY #2	-	+0000630	1.0	-	-		1/1	4	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC	ON TIME			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	(0-1.0)				
<u>ACTIVITY BLOCK: 504 - POSTLANDING (STOPROLL - GSE)</u>									
02200300 MSBLS RF ASSY #3	-	+0000630	1.0	-	-		1/1	4	
02210100 RADAR ALTIMETER #1	-	+0000630	1.0	-	-		1/1	4	
02210200 RADAR ALTIMETER #2	-	+0000630	1.0	-	-		1/1	4	
03010100 ATTITUDE DIR IND-FWD RH	-	+0000630	1.0	-	-		1/1	4	
03010200 ATTITUDE DIR IND-FWD LH	-	+0000630	1.0	-	-		1/1	4	
03020100 HORIZ SIT IND #1	-	+0000630	1.0	-	-		1/1	4	
03020200 HORIZ SIT IND #2	-	+0000630	1.0	-	-		1/1	4	
03030100 AS/MACH INDICATOR #1	-	+0000630	1.0	-	-		1/1	4	
03030200 AS/MACH INDICATOR #2	-	+0000630	1.0	-	-		1/1	4	
03040100 AS/MACH ELECT UNIT #1	-	+0000630	1.0	-	-		1/1	4	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC				
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 504 - POSTLANDING (STOPROLL - GSE)</u>									
03040200 AS/MACH ELECT UNIT #2	-	+0000630	1.0	-	-	1/1	4		
03070100 TAPE METER (ASC-ENT)	-	+0000630	1.0	-	-	1/1	4		
03070300 TAPE METER (ASC-ENT)	-	+0000630	1.0	-	-	3/3	7		
03130000 SURF POSITION IND	-	+0000630	1.0	-	-	1/1	4		
20180100 LO2 FEEDLN RPRSS VLV #1	-0002000	-0000200	1.0	-	-	1/1	7		
20180200 LO2 FEEDLN RPRSS VLV #2	-0002000	-0000200	1.0	-	-	1/1	7		
20190100 LH2 FEEDLN RPRSS VLV #1	-0002000	-0000200	1.0	-	-	1/1	7		
20190200 LH2 FEEDLN RPRSS VLV #2	-0002000	-0000200	1.0	-	-	1/1	7		
20200100 HE CROSSOVER VLV #1	-0002000	-0000200	1.0	-	-	1/1	7		
20200200 HE CROSSOVER VLV #2	-0002000	-0000200	1.0	-	-	1/1	7		

C-154

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	BFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 504 - POSTLANDING (STOPROLL - GSE)</u>									
20200300 HE CROSSOVER VLV #3	-0002000	-0000200	1.0	-	-	1/1	7		
20210100 ENG HE SUP ISO SOL #1	-0002000	-0000200	1.0	-	-	2/2	7		
20210200 ENG HE SUP ISO SOL #2	-0002000	-0000200	1.0	-	-	2/2	7		
20210300 ENG HE SUP ISO SOL #3	-0002000	-0000200	1.0	-	-	2/2	7		
20220100 VEH HE SUP ISO SOL #1	-0002000	-0000200	1.0	-	-	1/1	7		
20220200 VEH HE SUP ISO SOL #2	-0002000	-0000200	1.0	-	-	1/1	7		
21240100 QNTY GAGE PROBE #1	-	+0000630	1.0	-	-	1/1	7		
21240200 QNTY GAGE PROBE #2	-	+0000630	1.0	-	-	1/1	7		
21240300 QNTY GAGE PROBE #3 & #4	-	+0000630	1.0	-	-	2/2	7		
40310100 AMMONIA BOILER SYS #1	-	+0000630	1.0	-	-	1/1	4		

C-155

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC				
					ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 504 - POSTLANDING (STOPROLL - GSE)</u>									
40310200 AMMONIA BOILER SYS #2	-	+0000630	1.0	-	-	1/1	4		
50010000 LG EXTEND VALVE	-0000329	+0000630	1.0	-	-	1/1	4		
50020100 NLG UPLOCK VLV #1	-0000329	+0000630	1.0	-	-	1/1	4		
50020200 NLG UPLOCK VLV #2	-0000329	+0000630	1.0	-	-	1/1	4		
50020300 NLG UPLOCK VLV #3 & #4	-0000329	+0000630	1.0	-	-	2/2	4		
50030100 LG DUMP VALVE #1	-0000329	+0000630	1.0	-	-	1/1	4		
50030200 LG DUMP VALVE #2	-0000329	+0000630	1.0	-	-	1/1	4		
50090100 SSME SYS S/O VALVE #1	-	+0000630	1.0	-	-	1/1	7		
50090200 SSME SYS S/O VALVE #2	-	+0000630	1.0	-	-	1/1	7		
50090300 SSME SYS S/O VALVE #3	-	+0000630	1.0	-	-	1/1	7		

C-156

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC	FRAC			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 504 - POSTLANDING (STOPROLL - GSE)</u>									
50270100 LDG GEAR ISOL VLV SYS#1	-0000220	+0000630	1.0	-	-		1/1	4	
50270200 LDG GEAR ISOL VLV SYS#2	-0000220	+0000630	1.0	-	-		1/1	4	
50270300 LDG GEAR ISOL VLV SYS#3	-0000220	+0000630	1.0	-	-		1/1	4	
52260000 NOSE WHEEL STEERING UNIT	-0000329	+0000630	1.0	-	-		1/1	4	
52270100 BRAKE/SKID POWER UNIT #1	-0000329	+0000630	1.0	-	-		1/1	4	
52270200 BRAKE/SKID POWER UNIT #2	-0000329	+0000630	1.0	-	-		1/1	4	
52300100 GNC PROBE HTRS - LEFT	-0002000	-0000200	1.0	-	-		1/1	4	
52300200 GNC PROBE HTRS - RIGHT	-0002000	-0000200	1.0	-	-		1/1	4	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 505 - APU (DESCENT)</u>									
32020100 FUEL ISOLATION VALVE #1	-	-	1.0	-	-	1/1	4		
32020200 FUEL ISOLATION VALVE #2	-	-	1.0	-	-	1/1	4		
32020300 FUEL ISOLATION VALVE #3	-	-	1.0	-	-	1/1	4		
32030100 APU #1 CONTROLLER	-0000200	-	1.0	-	-	1/1	4		
32030200 APU #2 CONTROLLER	-0000200	-	1.0	-	-	1/1	4		
32030300 APU #3 CONTROLLER	-0000200	-	1.0	-	-	1/1	4		
50060100 MN PMP #1 DEPRESS VLV	-0000100	+0000005	1.0	-	-	1/1	4		
50060200 MN PMP #2 DEPRESS VLV	-0000100	+0000005	1.0	-	-	1/1	4		
50060300 MN PMP #3 DEPRESS VLV	-0000100	+0000005	1.0	-	-	1/1	4		
50110100 H2O BOILER #1 STM SCV	+0000100	-	1.0	-	-	1/1	4		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 505 - APU (DESCENT)</u>									
50110200 H2O BOILER #2 STM SOV	+0000100	-	1.0	-	-	1/1	4		
50110300 H2O BOILER #3 STM SOV	+0000100	-	1.0	-	-	1/1	4		
50130100 H2O BOLR #1 THRM CNTL VL	+0000200	-	.25	-	-	1/1	4		
50130200 H2O BOLR #2 THRM CNTL VL	+0000200	-	.25	-	-	1/1	4		
50130300 H2O BOLR #3 THRM CNTL VL	+0000200	-	.25	-	-	1/1	4		
50140100 H2O BOILER #1 ELECT CNTL	-	-	1.0	-	-	1/1	4		
50140200 H2O BOILER #2 ELECT CNTL	-	-	1.0	-	-	1/1	4		
50140300 H2O BOILER #3 ELECT CNTL	-	-	1.0	-	-	1/1	4		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC				
					ON	TIME			
					(0-1.0)	(0-1.0)			
<u>ACTIVITY BLOCK: 601 - CABIN HEATERS</u>									
40070300 CABIN HEATER #3	-	-	1.0	-	-	1/1	4		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 602 - HEATERS 1</u>									
21190000 CROSSFEED LINE HTRS	+0240000	+1631304	1.0	0060000	.128	1/1	7		
21200100 ENGINE HEATER #1	+0180000	+1631304	1.0	0060000	.128	1/1	7		
21200200 ENGINE HEATER #2	+0180000	+1631304	1.0	0060000	.128	1/1	7		
22170100 MAIN ENG HTR-FWD SET 1	+0010000	+1631304	1.0	0060000	.249	8/8	7		
22170200 MAIN ENG HTR-FWD SET 2	+0010000	+1631304	1.0	0060000	.249	4/4	7		
22170300 MAIN ENG HTR-FWD SET 3	+0010000	+1631304	1.0	0060000	.249	2/2	7		
22180100 MAIN ENG HTR-AFT SET 1	+0010000	+1631304	1.0	0060000	.249	6/6	7		
22180200 MAIN ENG HTR-AFT SET 2	+0010000	+1631304	1.0	0060000	.249	12/12	7		
22180300 MAIN ENG HTR-AFT SET 3	+0010000	+1631304	1.0	0060000	.249	6/6	7		
22190000 PROP FEED LINE HTR-AFT1	+0240000	+1631304	1.0	0060000	.128	8/8	7		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC	FRAC			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 602 - HEATERS 1</u>									
22210000 FEED SYS HTRS-FWD SET 1	+0230000	+1631304	1.0	0060000	.249		4/4	7	
22220000 VERNIER ENG HTR-FWD #1	+0002000	+1631304	1.0	0060000	.249		2/2	7	
22230100 VERNIER ENG HTR-AFT #1	+0002000	+1631304	1.0	0060000	.249		1/1	7	
22230200 VERNIER ENG HTR-AFT #2	+0002000	+1631304	1.0	0060000	.249		2/2	7	
22230300 VERNIER ENG HTR-AFT #3	+0002000	+1631304	1.0	0060000	.249		1/1	7	
32040100 TANK HTR #1 LH SIDE	+0990000	+1631304	1.0	0060000	.189		1/1	4	
32040200 TANK HTR #2 LH SIDE	+1000000	+1631304	1.0	0050000	.189		1/1	4	
32040300 TANK HTR #3 RH SIDE	+1010000	+1631304	1.0	0060000	.189		1/1	4	
32060100 APU LINE HTRS #1A	+0002000	+1631304	1.0	0060000	.189		1/1	4	
32060200 APU LINE HTRS #2A	+0004000	+1631304	1.0	0060000	.189		1/1	4	

C-162

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 602 - HEATERS 1</u>									
32060300 APU LINE HTRS #3A	+0010000	+1631304	1.0	0060000	.189	1/1	4		
32090100 APU OIL LINE HTRS #1A	+0010000	+1631304	1.0	0060000	.189	1/1	4		
32090200 APU OIL LINE HTRS #2A	+0013000	+1631304	1.0	0060000	.189	1/1	4		
32090300 APU OIL LINE HTRS #3A	+0020000	+1631304	1.0	0060000	.189	1/1	4		
32100100 APU TURBINE HTRS #1A	+0650000	+1631304	1.0	0060000	.189	1/1	4		
32100200 APU TURBINE HTRS #2A	+0660000	+1631304	1.0	0060000	.189	1/1	4		
32100300 APU TURBINE HTRS #3A	+0670000	+1631304	1.0	0060000	.189	1/1	4		
32110100 APU TURB GAS GEN HTRS#1A	+0002000	+1631304	1.0	0060000	.302	1/1	4		
32110200 APU TURB GAS GEN HTRS#2A	+0004000	+1631304	1.0	0060000	.302	1/1	4		
32110300 APU TURB GAS GEN HTRS#3A	+0010000	+1631304	1.0	0060000	.302	1/1	4		

C-163

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC ON TIME (0-1.0)	FRAC			
<u>ACTIVITY BLOCK: 602 - HEATERS 1</u>									
40270100 FLASH EVAPORATOR HTR #1	+0010000	+1631304	1.0	0060000	.278	1/1	7		
40270200 FLASH EVAPORATOR HTR #2	+0010000	+1631304	1.0	0060000	.278	1/1	7		
50040000 LG RETRACT CIRC VLV	+0050000	+1631304	1.0	-	-	1/1	4		
50070100 CIRC MOTOR PUMP #1	+0050000	+1631304	1.0	0090000	.333	1/1	4		
50070200 CIRC MOTOR PUMP #2	+0080000	+1631304	1.0	0090000	.333	1/1	4		
50070300 CIRC MOTOR PUMP #3	+0110000	+1631304	1.0	0090000	.333	1/1	4		
50150100 H2O BOILER HTR #1	+0010000	+1631304	1.0	0060000	.234	1/1	4		
50150200 H2O BOILER HTR #2	+0013000	+1631304	1.0	0060000	.234	1/1	4		
50150300 H2O BOILER HTR #3	+0020000	+1631304	1.0	0060000	.234	1/1	4		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC	FRAC			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 603 - HEATERS 2</u>									
21190000 CROSSFEED LINE HTR	+0240000	+1650132	1.0	0060000	.293		1/1	7	
21200100 ENGINE HEATER #1	+0180000	+1650132	1.0	0060000	.293		1/1	7	
21200200 ENGINE HEATER #2	+0180000	+1650132	1.0	0060000	.293		1/1	7	
22170100 MAIN ENG HTRS-FWD SET 1	+0010000	+1650132	1.0	0060000	.568		8/8	7	
22170200 MAIN ENG HTRS-FWD SET 2	+0010000	+1650132	1.0	0060000	.568		4/4	7	
22170300 MAIN ENG HTRS-FWD SET 3	+0010000	+1650132	1.0	0060000	.568		2/2	7	
22180100 MAIN ENG HTRS-AFT SET 1	+0010000	+1650132	1.0	0060000	.568		6/6	7	
22180200 MAIN ENG HTRS-AFT SET 2	+0010000	+1650132	1.0	0060000	.568		12/12	7	
22180300 MAIN ENG HTRS-AFT SET 3	+0010000	+1650132	1.0	0060000	.568		6/6	7	
22190000 PROP FEEDLINE HTRS-AFT1	+0240000	+1650132	1.0	0060000	.293		8/8	7	

C-165

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 603 - HEATERS 2</u>									
22210000 FEED SYS HTRS-FWD SET 1	+0230000	+1650132	1.0	0060000	.568	4/4	7		
22220000 VERNIER ENG HTR-FWD #1	+0002000	+1650132	1.0	0060000	.568	2/2	7		
22230100 VERNIER ENG HTR-AFT #1	+0002000	+1650132	1.0	0060000	.568	1/1	7		
22230200 VERNIER ENG HTR-AFT #2	+0002000	+1650132	1.0	0060000	.568	2/2	7		
22230300 VERNIER ENG HTR-AFT #3	+0002000	+1650132	1.0	0060000	.568	1/1	7		
32040100 TANK HTR #1A LH SIDE	+0990000	+1650132	1.0	0060000	.430	1/1	4		
32040200 TANK HTR #2A LH SIDE	+1000000	+1650132	1.0	0060000	.430	1/1	4		
32040300 TANK HTR #3A RH SIDE	+1010000	+1650132	1.0	0060000	.430	1/1	4		
32060100 APU LINE HTRS #1A	+0002000	+1650132	1.0	0060000	.430	1/1	4		
32060200 APU LINE HTRS #2A	+0004000	+1650132	1.0	0060000	.430	1/1	4		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC	FRAC			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 603 - HEATERS 2</u>									
32060300 APU LINE HTRS #3A	+0010000	+1650132	1.0	0060000	.430		1/1	4	
32090100 APU OIL LINE HTRS #1A	+0010000	+1650132	1.0	0060000	.430		1/1	4	
32090200 APU OIL LINE HTRS #2A	+0013000	+1650132	1.0	0060000	.430		1/1	4	
32090300 APU OIL LINE HTRS #3A	+0020000	+1650132	1.0	0060000	.430		1/1	4	
32100100 APU TURBINE HTRS #1A	+0650000	+1650132	1.0	0060000	.430		1/1	4	
32100200 APU TURBINE HTRS #2A	+0660000	+1650132	1.0	0060000	.430		1/1	4	
32100300 APU TURBINE HTRS #3A	+0670000	+1650132	1.0	0060000	.430		1/1	4	
32110100 APU TURB GAS GEN HTRS#1A	+0002000	+1650132	1.0	0060000	.688		1/1	4	
32110200 APU TURB GAS GEN HTRS#2A	+0004000	+1650132	1.0	0060000	.688		1/1	4	
32110300 APU TURB GAS GEN HTRS#3A	+0010000	+1650132	1.0	0060000	.688		1/1	4	

TABLE C-1.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON {HHMMSS}	OFF {HHMMSS}	USE FACTOR {0-1.0}	PERIOD {HHMMSS}	DEC FRAC				
					CN TIME {0-1.0}				
<u>ACTIVITY BLOCK: 603 - HEATERS 2</u>									
40270100 FLASH EVAPORATOR HTR #1	+0010000	+1650132	1.0	0060000	.860	1/1	7		
40270200 FLASH EVAPORATOR HTR #2	+0010000	+1650132	1.0	0060000	.860	1/1	7		
50040000 LG RETRACT CIRC VLV	+0050000	+1650132	1.0	-	-	1/1	4		
50070100 CIRC MOTOR PUMP #1	+0050000	+1650132	1.0	0090000	.333	1/1	4		
50070200 CIRC MOTOR PUMP #2	+0080000	+1650132	1.0	0090000	.333	1/1	4		
50070300 CIRC MOTOR PUMP #3	+0110000	+1650132	1.0	0090000	.333	1/1	4		
50150100 H2O BOILER HTR #1	+0010000	+1650132	1.0	0060000	.533	1/1	4		
50150200 H2O BOILER HTR #2	+0013000	+1650132	1.0	0060000	.533	1/1	4		
50150300 H2O BOILER HTR #3	+0020000	+1650132	1.0	0060000	.533	1/1	4		

C-168

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC	ON TIME			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	(0-1.0)				
<u>ACTIVITY BLOCK: - 604 - HEATERS 3A</u>									
22170100 MAIN ENG HTRS-FWD SET 1	-	-	.33	-	-		8/8	7	
22170200 MAIN ENG HTRS-FWD SET 2	-	-	.33	-	-		4/4	7	
22170300 MAIN ENG HTRS-FWD SET 3	-	-	.33	-	-		2/2	7	
22180100 MAIN ENG HTRS-AFT SET 1	-	-	.33	-	-		6/6	7	
22180200 MAIN ENG HTRS-AFT SET 2	-	-	.33	-	-		12/12	7	
22180300 MAIN ENG HTRS-AFT SET 3	-	-	.33	-	-		6/6	7	
32060100 APU LINE HTRS #1A	-	-	.25	-	-		1/1	4	
32060200 APU LINE HTRS #2A	-	-	.25	-	-		1/1	4	
32060300 APU LINE HTRS #3A	-	-	.25	-	-		1/1	4	
32090100 APU OIL LINE HTRS #1A	-	-	.25	-	-		1/1	4	

C-169

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC	FRAC			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 604 - HEATERS 3A</u>									
32090200 APU OIL LINE HTRS #2A	-	-	.25	-	-		1/1	4	
32090300 APU OIL LINE HTRS #3A	-	-	.25	-	-		1/1	4	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFP	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 605 - HEATERS 3B</u>									
22170100 MAIN ENG HTRS-FWD SET 1	-	-	.33	-	-	8/8	7		
22170200 MAIN ENG HTRS-FWD SET 2	-	-	.33	-	-	4/4	7		
22170300 MAIN ENG HTRS-FWD SET 3	-	-	.33	-	-	2/2	7		
22180100 MAIN ENG HTRS-AFT SET 1	-	-	.33	-	-	6/6	7		
22180200 MAIN ENG HTRS-AFT SET 2	-	-	.33	-	-	12/12	7		
22180300 MAIN ENG HTRS-AFT SET 3	-	-	.33	-	-	6/6	7		
32060100 APU LINE HTRS #1A	-	-	.25	-	-	1/1	4		
32060200 APU LINE HTRS #2A	-	-	.25	-	-	1/1	4		
32060300 APU LINE HTRS #3A	-	-	.25	-	-	1/1	4		
32090100 APU OIL LINE HTRS #1A	-	-	.25	-	-	1/1	4		

TABLE C-1.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC	ON TIME			
	(HHMMSS)	(HHMMSS)	(0-1.0)	(HHMMSS)	(0-1.0)				
<u>ACTIVITY BLOCK: 605 - HEATERS 3B</u>									
32090200 APU OIL LINE HTRS #2A	-	-	.25	-	-	1/1	4		
32090300 APU OIL LINE HTRS #3A	-	-	.25	-	-	1/1	4		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC				
					CN	TIME (0-1.0)			
<u>ACTIVITY BLOCK: 650 - CRYOGENIC HEATERS 1/2</u>									
31170000 HEATERS (OXYGEN)	-	+0413000	1.0	0030000	.280	6/6	7		
31170000 HEATERS (OXYGEN)	+0413000	+0830000	1.0	0030000	.150	6/6	7		
31170000 HEATERS (OXYGEN)	+0830000	+1243000	1.0	0030000	.067	6/6	7		
31170000 HEATERS (OXYGEN)	+1243000	+1654702	1.0	0030000	.057	6/6	7		
31180000 HEATERS (HYDROGEN)	-	+0413000	1.0	0030000	.375	6/6	7		
31180000 HEATERS (HYDROGEN)	+0413000	+0830000	1.0	0030000	.227	6/6	7		
31180000 HEATERS (HYDROGEN)	+0830000	+1243000	1.0	0030000	.173	6/6	7		
31180000 HEATERS (HYDROGEN)	+1243000	+1654702	1.0	0030000	.180	6/6	7		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NC. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC ON TIME (0-1.0)	FRAC			

ACTIVITY BLOCK: 651 - CRYOGENIC HEATERS 3A/3B

31170000 HEATERS (OXYGEN)	-	+0020045	1.0	0003000	.340	6/6	7		
31180000 HEATERS (HYDROGEN)	-	+0020045	1.0	0005000	.500	6/6	7		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE		BEC FRAC				
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	PERIOD (HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 701 - P/L INTERFACE</u>									
04110000 PAYLOAD DATA INTERLEAVER	-	-	1.0	-	-	1/1	7		
08010100 MDM PAYLOAD FWD #1	-	-	1.0	-	-	1/1	7		
08010200 MDM PAYLOAD FWD #2	-	-	1.0	-	-	1/1	7		

TABLE C-1.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC				
					ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 702 - P/L DEPLOYMENT</u>									
02010100 B&W TV MONITOR #1	-	-	1.0	-	-	1/1	7		
02010200 B&W TV MONITOR #2	-	-	1.0	-	-	1/1	7		
02020000 TV REMOTE CONTROL	-	-	1.0	-	-	1/1	7		
02040100 TV CAMERA B&W #1	-	-	1.0	-	-	1/1	7		
02040200 TV CAMERA B&W #2	-	-	1.0	-	-	1/1	7		
02040300 TV CAMERA B&W #3	-	-	1.0	-	-	1/1	7		
02040400 TV CAMERA B&W #4	-	-	1.0	-	-	1/1	7		
02050100 PAN TILT ASSY #1	-	-	1.0	-	-	1/1	7		
02050200 PAN TILT ASSY #2	-	-	1.0	-	-	1/1	7		
02070000 VIDEO SWITCHING NETWORK	-	-	1.0	-	-	1/1	7		

C-176

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC				
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 702 - P/L DEPLOYMENT</u>									
03250100 MANIP HAND CONTRL #1	-	-	1.0	-	-	1/1	7		
03430000 REAR STA LTS-PSS/MSS	-	-	1.0	-	-	2/2	7		
03490000 P/L BAY FLOODLIGHTS	-	-	1.0	-	-	6/6	7		
03500100 MANIP SPOT LIGHT	-	-	1.0	-	-	1/1	7		
03500200 MANIP SPOT LIGHT (KIT)	-	-	1.0	-	-	1/1	8		
51010000 MANIPULATOR	+0000022	+0001022	1.0	-	-	1/1	7		
51020100 MANIP DEPLOY DRV-SET 1	+0000010	+0000022	1.0	-	-	2/2	7		
51020200 MANIP DEPLOY DRV-SET 2	+0000010	+0000022	1.0	-	-	3/3	7		
51020300 MANIP DEPLOY DRV-SET 3	+0000010	+0000022	1.0	-	-	3/3	7		
51030100 MANIP RET LTCH DRV-SET 1	-	+0000010	1.0	-	-	2/2	7		

TABLE C-1. ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 702 - P/L DEPLOYMENT</u>									
51030200 MANIP RET LTCH DRV-SET 2	-	+0000010	1.0	-	-	2/2	7		
51030300 MANIP RET LTCH DRV-SET 3	-	+0000010	1.0	-	-	2/2	7		
51040100 MANIP CNTL INTFCE UNIT 1	-	-	1.0	-	-	1/1	7		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC	FRAC			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 703 - P/L RETRIEVAL</u>									
02010100 B&W TV MONITOR #1	-	-	1.0	-	-		1/1	7	
02010200 B&W TV MONITOR #2	-	-	1.0	-	-		1/1	7	
02020000 TV REMOTE CONTROL	-	-	1.0	-	-		1/1	7	
02040100 TV CAMERA B&W #1	-	-	1.0	-	-		1/1	7	
02040200 TV CAMERA B&W #2	-	-	1.0	-	-		1/1	7	
02040300 TV CAMERA B&W #3	-	-	1.0	-	-		1/1	7	
02040400 TV CAMERA B&W #4	-	-	1.0	-	-		1/1	7	
02050100 PAN TILT ASSY #1	-	-	1.0	-	-		1/1	7	
02050200 PAN TILT ASSY #2	-	-	1.0	-	-		1/1	7	
02070000 VIDEO SWITCHING NETWORK	-	-	1.0	-	-		1/1	7	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC	ON TIME			
	(HHMMSS)	(HHMMSS)	FACTOR (0-1.0)	(HHMMSS)	(0-1.0)				
<u>ACTIVITY BLOCK: 703 - P/L RETRIEVAL</u>									
03250100 MANIP HAND CONTRL #1	-	-	1.0	-	-	1/1	7		
03430000 REAR STA LTS-PSS/MSS	-	-	1.0	-	-	2/2	7		
03490000 P/L BAY FLOODLIGHTS	-	-	1.0	-	-	6/6	7		
03500100 MANIP SPOT LIGHT	-	-	1.0	-	-	1/1	7		
03500200 MANIP SPOT LIGHT (KIT)	-	-	1.0	-	-	1/1	8		
51010000 MANIPULATOR	-	+0001000	1.0	-	-	1/1	7		
51020100 MANIP DEPLOY DRV-SET 1	+0001000	+0001012	1.0	-	-	2/2	7		
51020200 MANIP DEPLOY DRV-SET 2	+0001000	+0001012	1.0	-	-	3/3	7		
51020300 MANIP DEPLOY DRV-SET 3	+0001000	+0001012	1.0	-	-	3/3	7		
51030100 MANIP RET LTCH DRV-SET 1	+0001012	+0001022	1.0	-	-	2/2	7		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC	FRAC			
					ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 703 - P/L RETRIEVAL</u>									
51030200 MANIP RET LTCH DRV-SET 2	+0001012	+0001022	1.0	-	-	2/2	7		
51030300 MANIP RET LTCH DRV-SET 3	+0001012	+0001022	1.0	-	-	2/2	7		
51040100 MANIP CNTL INTFCE UNIT 1	-	-	1.0	-	-	1/1	7		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 710 - P/L OPERATIONS</u>									
02010100 B&W TV MONITOR #1	-	-	1.0	-	-	1/1	7		
02010200 B&W TV MONITOR #2	-	-	1.0	-	-	1/1	7		
02020000 TV REMOTE CONTROL	-	-	1.0	-	-	1/1	7		
02040100 TV CAMERA B&W #1	-	-	1.0	-	-	1/1	7		
02040200 TV CAMERA B&W #2	-	-	1.0	-	-	1/1	7		
02040300 TV CAMERA B&W #3	-	-	1.0	-	-	1/1	7		
02040400 TV CAMERA B&W #4	-	-	1.0	-	-	1/1	7		
02050100 PAN TILT ASSY #1	-	-	1.0	-	-	1/1	7		
02050200 PAN TILT ASSY #2	-	-	1.0	-	-	1/1	7		
02070000 VIDEO SWITCHING NETWORK	-	-	1.0	-	-	1/1	7		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC FRAC	ON TIME			
	(HHMMSS)	(HHMMSS)	(0-1.0)	(HHMMSS)	(0-1.0)				
<u>ACTIVITY BLOCK: 710 - P/L OPERATIONS</u>									
03430000 REAR STA LTS-PSS/MSS	-	-	1.0	-	-		2/2	7	
03490000 P/L BAY FLOODLIGHTS	-	-	1.0	-	-		6/6	7	

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC ON TIME (0-1.0)	FRAC			

ACTIVITY BLOCK: 720 - PAYLOAD POWER

TBD

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 730 - MISSION 3A PECULIAR</u>									
02280100 COMSEC UNIT (AF) #1	-	-	1.0	-	-	1/1	3		
02280200 COMSEC UNIT (AF) #2	-	-	1.0	-	-	1/1	3		
02280300 COMSEC UNIT (AF) #3&4	-	-	1.0	-	-	2/2	3		
02300100 P/L INTERG-(AF & NASA) #1	-	-	1.0	-	-	1/1	7		
02310100 P/L SIG PROC #1	-	-	1.0	-	-	1/1	7		
02511100 KU-BND COMM B EL ASSY #1	+0001400	+0004800	1.0	-	-	1/1	9		
02512100 KU-BND COMM B EL ASSY #1	+0001400	+0004800	1.0	-	-	1/1	9		
02531000 KU-BND COMM B DPY ASSY	+0001400	+0004800	1.0	-	-	1/1	9		
02532000 KU-BND COMM B DPY ASSY	+0001400	+0004800	1.0	-	-	1/1	9		
02540000 KU-BND SIG PROC	+0001400	+0004800	1.0	-	-	1/1	3		

TABLE C-1.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC				
					ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 730 - MISSION 3A PECULIAR</u>									
40290100 FREON PUMP LP1-A ASC	+0004801	+0015940	1.0	-	-	1/1	4		
40290120 FREON PUMP LP1-A 6 PL	+0001203	+0004800	1.0	-	-	1/1	7		
40290300 FREON PUMP LP2-A ASC	+0004801	+0015940	1.0	-	-	1/1	4		
40290320 FREON PUMP LP2-A 6 PL	+0001203	+0004800	1.0	-	-	1/1	7		
40300100 SPACE RADIATOR SYS #1	+0001203	+0004800	1.0	-	-	1/1	7		
40300200 SPACE RADIATOR SYS #2	+0001203	+0004800	1.0	-	-	1/1	7		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 740 - MISSION 3B PECULIAR</u>									
02280100 COMSEC UNIT (AF) #1	-	-	1.0	-	-	1/1	3		
02280200 COMSEC UNIT (AF) #2	-	-	1.0	-	-	1/1	3		
02280300 COMSEC UNIT (AF) #364	-	-	1.0	-	-	2/2	3		
02300100 P/L INTERG-(AF & NASA) #1	-	-	1.0	-	-	1/1	7		
02310100 P/L SIG PROC #1	-	-	1.0	-	-	1/1	7		
02511100 KU-BND COMM B EL ASSY #1	+0001433	+0004830	1.0	-	-	1/1	9		
02512100 KU-BND COMM B EL ASSY #1	+0001433	+0004830	1.0	-	-	1/1	9		
02531000 KU-BND COMM B DPY ASSY	+0001433	+0004830	1.0	-	-	1/1	9		
02532000 KU-BND COMM B DPY ASSY	+0001433	+0004830	1.0	-	-	1/1	9		
02540000 KU-BND SIG PROC	+0001433	+0004830	1.0	-	-	1/1	3		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF CCHP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC				
					ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 740 - MISSION 3B PECULIAR</u>									
40290100 FREON PUMP LP1-A ASC	+0004831	+0020045	1.0	-	-	1/1	4		
40290120 FREON PUMP LP1-A 6 PL	+0001204	+0004830	1.0	-	-	1/1	7		
40290300 FREON PUMP LP2-A ASC	+0004831	+0020045	1.0	-	-	1/1	4		
40290320 FREON PUMP LP2-A 6 PL	+0001204	+0004830	1.0	-	-	1/1	7		
40300100 SPACE RADIATOR SYS #1	+0001204	+0004830	1.0	-	-	1/1	7		
40300200 SPACE RADIATOR SYS #2	+0001204	+0004830	1.0	-	-	1/1	7		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC			NO. OF COMP	EFF	REMARKS
	ON	OFF	USE	PERIOD	DEC	FRAC				
	(HHMMSS)	(HHMMSS)	(0-1.0)	(HHMMSS)	ON TIME	(0-1.0)				
<u>ACTIVITY BLOCK: 750 - MISSION 1 PECULIAR</u>										
02511100 KU-BND COMM B EL ASSY #1	+0002210	+1601939	1.0	-	-		1/1	9		
02512100 KU-BND COMM B EL ASSY #1	+0002210	+1601939	1.0	-	-		1/1	9		
02531000 KU-BND COMM B DPY ASSY	+0002210	+1601939	1.0	-	-		1/1	9		
02532000 KU-BND COMM B DPY ASSY	+0002210	+1601939	1.0	-	-		1/1	9		
02540000 KU-BND SIG PROC	+0002210	+1601939	1.0	-	-		1/1	3		
40290100 FREON PUMP LP1-A ASC	+1601940	+1635712	1.0	-	-		1/1	4		
40290120 FREON PUMP LP1-A 6 PL	+0001011	+1601939	1.0	-	-		1/1	7		
40290300 FREON PUMP LP2-A ASC	+1601940	+1635712	1.0	-	-		1/1	4		
40290320 FREON PUMP LP2-A 6 PL	+0001011	+1601939	1.0	-	-		1/1	7		
40300100 SPACE RADIATOR SYS #1	+0001011	+1601939	1.0	-	-		1/1	7		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC				
					ON TIME (0-1.0)				

ACTIVITY BLOCK: 750 - MISSION 1 PECULIAR

40300200

SPACE RADIATOR SYS #2 +0001011 +1601939 1.0 - - 1/1 7

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	DEC FRAC ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 760 - MISSION 2 PECULIAR</u>									
02511100 KU-BND COMM B EL ASSY #1	+0002210	+1615429	1.0	-	-	1/1	9		
02512100 KU-BND COMM B EL ASSY #1	+0002210	+1615429	1.0	-	-	1/1	9		
02531000 KU-BND COMM B DPY ASSY	+0002210	+1615429	1.0	-	-	1/1	9		
02532000 KU-BND COMM B DPY ASSY	+0002210	+1615429	1.0	-	-	1/1	9		
02540000 KU-BND SIG PROC	+0002210	+1615429	1.0	-	-	1/1	3		
40290100 FREON PUMP LP1-A ASC	+1615430	+1654702	1.0	-	-	1/1	4		
40290120 FREON PUMP LP1-A 6 PL	+0001032	+1615429	1.0	-	-	1/1	7		
40290300 FREON PUMP LP2-A ASC	+1615430	+1654702	1.0	-	-	1/1	4		
40290320 FREON PUMP LP2-A 6 PL	+0001032	+1615429	1.0	-	-	1/1	7		
40300100 SPACE RADIATOR SYS #1	+0001032	+1615429	1.0	-	-	1/1	7		

TABLE C-I.- ACTIVITY BLOCKS - EQUIPMENT UTILIZATION - Continued

COMPONENT NUMBER COMPONENT NAME	TIME		USAGE		CYCLIC		NO. OF COMP	EFF	REMARKS
	ON (HHMMSS)	OFF (HHMMSS)	USE FACTOR (0-1.0)	PERIOD (HHMMSS)	BEC FRAC ON TIME (0-1.0)				
<u>ACTIVITY BLOCK: 760 - MISSION 2 PECULIAR</u>									
40300200 SPACE RADIATOR SYS #2	+0001032	+1615429	1.0	-	-	1/1	7		

D-1

APPENDIX D - TIME LINES

D-3

APPENDIX D

TIME LINES

The time lines for baseline reference missions 1, 2, 3A, and 3B are shown on the following pages in tables D-I, D-II, D-III, and D-IV, respectively.

PRECEDING PAGE BLANK NOT FILMED

TABLE D-I.- ACTIVITY BLOCK TIME LINE - BASELINE REFERENCE MISSION 1

g.e.t.	Activity block		On	Off	Remarks
	No.	Title			
000:00:0	101	Mission Common (GSE-GSE)	X		Liftoff
	102	Ascent (GSE-Insertion)	X		
	201	Ascent (GSE-MECO)	X		
	210	Prelaunch	X		
	501	APU (Ascent)	X		
	602	Heaters 1	X		
	650	Cryogenic Heaters 1/2	X		
	750	Mission 1 Peculiar	X		
000:00:01	210	Prelaunch		X	MECO
000:08:04	201	Ascent (GSE-Meco)		X	MECO
	202	Ascent (MECO-Insertion)	X		
000:08:26	302	RCS (Auto)	X		ET jett and separation
000:08:36	302	RCS (Auto)		X	
	304	Postburn	X		
000:08:49	350	OMS (Insertion)	X		Insertion burn
000:10:10	102	Ascent (GSE-Insertion)		X	Insertion
	103	Orbital Common 1 (Ins-Deorbit)	X		
	202	Ascent (MECO-Insertion)		X	
	305	RCS (Attitude Control)	X		
	350	OMS (Insertion)		X	
	401	Orbital Configuration 1	X		
000:13:04	501	APU (Ascent)		X	MECO + 5 min

PRECEDING PAGE BLANK NOT FILMED

TABLE D-I.- ACTIVITY BLOCK TIME LINE - BASELINE REFERENCE MISSION 1
Continued

g.e.t.	Activity block		On	Off	Remarks
	No.	Title			
000:17:44	417	PLB Doors (Open)	X		Open payload bay doors
000:22:44	417	PLB Doors (Open)		X	
000:41:14	301	OMS (On Orbit)	X		Apogee kick maneuver
000:43:06	301	OMS (On Orbit)		X	
000:55:00	404	IMU Alignment	X		Moved to prevent conflict with circ. maneuver
001:10:10	104	Orbital Common 1 (Orb Conf-Deorbit Prep)	X		Insertion + 1 hr
	105	Orbital Modes	X		
	401	Orbital Configuration 1		X	
	402	Delta Day	X		
	404	IMU Alignment		X	
001:20:00	301	OMS (On Orbit)	X		Circularization maneuver
001:26:02	301	OMS (On Orbit)		X	
001:26:57	301	OMS (On Orbit)		X	Circ. maneuver + 30 min
001:56:57	304	Postburn		X	
002:00:00	412	Eat	X		
002:30:00	413	Waste Management	X		
	414	Sleep (Pre and Post)	X		
003:00:00	401	Delta Day		X	
	412	Eat		X	
	601	Cabin Heaters	X		
003:15:00	413	Waste Management		X	Crew retire
	414	Sleep (Pre and Post)		X	

TABLE D-I.- ACTIVITY BLOCK TIME LINE - BASELINE REFERENCE MISSION 1
Continued

g.e.t.	Activity block		On	Off	Remarks
	No.	Title			
010:15:00	413	Waste Management	X		Crew wake-up
	414	Sleep (Pre and Post)	X		
010:30:00	402	Delta Day	X		
	C01	Cabin Heaters		X	
010:45:00	412	Eat	X		
	413	Waste Management		X	
	414	Sleep (Pre and Post)		X	
011:30:00	412	Eat		X	
	404	IMU Alignment	X		
011:55:00	404	IMU Alignment		X	
012:00:00	702	Payload Deployment	X		Initiate tug deploy
012:11:09	403	Stationkeeping	X		Tug release
012:16:09	303	RCS (Manual)	X		Orb/tug sep maneuver
	403	Stationkeeping		X	
012:16:20	303	RCS (Manual)		X	
	304	Postburn	X		
012:17:39	701	Payload Interface		X	Manipulator stowage complete
	702	Payload Deployment		X	
012:46:20	304	Postburn		X	Sep maneuver + 30 min
016:00:00	412	Eat	X		
017:00:00	412	Eat		X	
	413	Waste Management	X		

TABLE D-I.- ACTIVITY BLOCK TIME LINE - BASELINE REFERENCE MISSION 1
Continued

g.e.t.	Activity block		On	Off	Remarks
	No.	Title			
017:15:00	413	Waste Management		X	
023:00:00	412	Eat	X		
024:00:00	412	Eat		X	
026:15:00	413	Waste Management	X		
026:30:00	414	Sleep (Pre and Post)	X		
026:45:00	413	Waste Management		X	
027:00:00	402	Delta Day		X	Crew retire
	414	Sleep (Pre and Post)		X	
	601	Cabin Heaters	X		
035:00:00	402	Delta Day	X		Crew wake-up
	413	Waste Management	X		
	414	Sleep (Pre and Post)	X		
	601	Cabin Heaters		X	
035:30:00	413	Waste Management		X	
	414	Sleep (Pre and Post)		X	
035:40:00	412	Eat	X		
036:40:00	412	Eat		X	
037:00:00	404	IMU Alignment	X		
037:25:00	404	IMU Alignment		X	
041:00:00	412	Eat	X		
042:00:00	412	Eat		X	
	413	Waste Management	X		
042:05:01	413	Waste Management		X	

TABLE D-I.- ACTIVITY BLOCK TIME LINE - BASELINE REFERENCE MISSION 1
Continued

g.e.t.	Activity block		On	Off	Remarks
	No.	Title			
047:00:00	412	Eat	X		Crew retire
048:00:00	412	Eat		X	
050:15:00	413	Waste Management	X		
050:30:00	414	Sleep (Pre and Post)	X		
050:45:00	413	Waste Management		X	
151:00:00	402	Delta Day		X	
	414	Sleep (Pre and Post)		X	
	601	Cabin Heaters	X		
059:00:00	402	Delta Day	X		
	413	Waste Management	X		
	414	Sleep (Pre and Post)	X		Crew wake-up
	601	Cabin Heaters		X	
059:30:00	413	Waste Management		X	
	414	Sleep (Pre and Post)		X	
059:45:00	412	Eat	X		
060:45:00	412	Eat		X	
061:00:00	404	IMU Alignment	X		
061:25:00	404	IMU Alignment		X	
065:00:00	412	Eat	X		
066:00:00	412	Eat		X	
	413	Waste Management	X		Crew wake-up
066:15:00	413	Waste Management		X	
071:00:00	412	Eat	X		

TABLE D-1.- ACTIVITY BLOCK TIME LINE - BASELINE REFERENCE MISSION 1
Continued

g.e.t.	Activity block		On	Off	Remarks
	No.	Title			
072:00:00	412	Eat		X	
074:15:00	413	Waste Management	X		
074:30:00	414	Sleep (Pre and Post)	X		
074:45:00	413	Waste Management		X	
075:00:00	402	Delta Day		X	Crew retire
	414	Sleep (Pre and Post)		X	
	601	Cabin Heaters	X		
083:00:00	402	Delta Day	X		Crew wake-up
	413	Waste Management	X		
	414	Sleep (Pre and Post)	X		
	601	Cabin Heaters		X	
083:30:00	413	Waste Management		X	
	414	Sleep (Pre and Post)		X	
083:45:00	412	Eat	X		
084:45:00	412	Eat		X	
085:00:00	404	IMU Alignment	X		
085:25:00	404	IMU Alignment		X	
089:00:00	412	Eat	X		
090:00:00	412	Eat		X	
	413	Waste Management	X		
090:15:00	413	Waste Management		X	
094:15:00	412	Eat	X		

TABLE D-I.- ACTIVITY BLOCK TIME LINE - BASELINE REFERENCE MISSION 1
Continued

g.e.t.	Activity block		On	Off	Remarks
	No.	Title			
095:15:00	412	Eat		X	Crew retire
097:15:00	413	Waste Management	X		
097:30:00	414	Sleep (Pre and Post)	Y		
097:45:00	413	Waste Management		X	
098:00:00	402	Delta Day		X	
	414	Sleep (Pre and Post)		X	Crew wake-up
	601	Cabin Heaters	X		
106:00:00	402	Delta Day	X		
	413	Waste Management	X		
	414	Sleep (Pre and Post)	X		
	601	Cabin Heaters		X	
106:30:00	413	Waste Management		X	
	414	Sleep (Pre and Post)		X	
106:45:00	412	Eat	X		
107:45:00	412	Eat		X	
108:00:00	404	IMU Alignment	X		
108:25:00	404	IMU Alignment		X	
113:00:00	412	Eat	X		
114:00:00	412	Eat		X	
	413	Waste Management	X		
114:15:00	413	Waste Management		X	
117:00:00	411	TV (Crew)	X		

TABLE D-I.- ACTIVITY BLOCK TIME LINE - BASELINE REFERENCE MISSION 1
Continued

g.e.t.	Activity block		On	Off	Remarks
	No.	Title			
119:00:00	411	TV (Crew)		X	
	412	Eat	X		
120:00:00	412	Eat		X	
121:15:00	413	Waste Management	X		
121:30:00	414	Sleep (Pre and Post)	X		
121:45:00	413	Waste Management		X	Crew retire
122:00:00	402	Delta Day		X	
	414	Sleep (Pre and Post)		X	
	601	Cabin Heaters	X		
130:00:00	402	Delta Day	X		
	405	Rendezvous	X		Initiate tug tracking
	413	Waste Management	X		
	414	Sleep (Pre and Post)	X		
	601	Cabin Heaters		X	
130:30:00	413	Waste Management		X	
	414	Sleep (Pre and Post)		X	
130:45:00	412	Eat	X		
131:45:00	412	Eat		X	
132:00:00	404	IMU Alignment	X		
132:25:00	404	IMU Alignment		X	
133:03:16	301	OMS (On Orbit)	X		Terminal phase initiate
133:03:29	301	OMS (On Orbit)		X	
	304	Postburn	X		

TABLE D-I.- ACTIVITY BLOCK TIME LINE - BASELINE REFERENCE MISSION 1
Continued

g.e.t.	Activity block		On	Off	Remarks
	No.	Title			
133:25:27	303	RCS (Manual)	X		Braking initiate
	403	stationkeeping	X		
	405	Rendezvous		X	
133:36:27	303	RCS (Manual)		X	Braking complete
134:06:27	304	Postburn		X	Braking + 30 min
136:30:00	303	RCS (Manual)	X		Initiate tug retrieval sequence
	701	Payload Interface	X		
	703	Payload Retrieval	X		
136:30:20	303	RCS (Manual)		X	
	304	Postburn	X		
136:45:55	403	Stationkeeping		X	
	703	Payload Retrieval		X	Tug retrieval complete
137:00:00	304	Postburn		X	
	412	Eat	X		
138:00:00	412	Eat		X	
	413	Waste Management	X		
138:05:01	413	Waste Management		X	
143:00:00	412	Eat	X		
144:00:00	412	Eat		X	
145:15:00	413	Waste Management	X		
145:30:00	414	Sleep (Pre and Post)	X		
145:45:00	413	Waste Management		X	

TABLE D-I.- ACTIVITY BLOCK TIME LINE - BASELINE REFERENCE MISSION 1
Continued

g.e.t.	No.	Activity block	On	Off	Remarks
		Title			
146:00:00	402	Delta Day		X	Crew retire
	414	Sleep (Pre and Post)		X	
	601	Cabin Heaters	X		
154:00:00	402	Delta Day	X		Crew wake-up
	413	Waste Management	X		
	414	Sleep (Pre and Post)	X		
	601	Cabin Heaters		X	
154:30:00	413	Waste Management		X	
	414	Sleep (Pre and Post)		X	
154:45:00	412	Eat	X		
155:45:00	412	Eat		X	
156:00:00	404	IMU Alignment	X		
156:25:00	404	IMU Alignment		X	
160:00:00	412	Eat	X		
160:19:39	418	PLB Doors (Close)	X		Payload bay doors close
160:24:39	418	PLB Doors (Close)		X	
161:00:00	412	Eat		X	
	413	Waste Management	X		
161:15:00	413	Waste Management		X	
161:47:39	104	Orbital Common 1 (Orb Conf-Deorbit Prep)		X	Deorbit minus 1 hr
	105	Orbital Modes		X	
	402	Delta Day		X	
	416	Deorbit Prep 1	X		

TABLE D-I.- ACTIVITY BLOCK TIME LINE - BASELINE REFERENCE MISSION 1
Continued

g.e.t.	Activity block		On	Off	Remarks
	No.	Title			
162:30:09	505	APU (Descent)	X		Deorbit minus 17.5 min
162:32:39	505	APU (Descent)		X	APU checkout complete
162:47:39	103	Orbital Common 1 (In: - Deorbit)		X	Deorbit maneuver
	106	Descent (Deorbit-GSE)	X		
	107	Descent (Deorbit- Stoproll)	X		
	301	OMS (On Orbit)	X		
	305	RCS (Attitude Control)		X	
	416	Deorbit Prep 1		X	
	502	Descent (Deorbit-400K ft)	X		
162:49:55	301	OMS (On Orbit)		X	
163:13:04	502	Descent (Deorbit-400K ft)		X	400,000 ft - entry inter- face
	503	Descent (400K ft- Stoproll)	X		
	505	APU (Descent)	X		
	602	Heaters 1		X	
163:44:12	107	Descent (Deorbit- Stoproll)		X	Stoproll
	503	Descent (400K ft- Stoproll)		X	
	504	Postlanding (Stoproll- GSE)	X		
163:45:12	505	APU (Descent)		X	Stoproll + 1 min

D-16

TABLE D-I.- ACTIVITY BLOCK TIME LINE - BASELINE REFERENCE MISSION 1
Concluded

g.e.t.	Activity block		On	Off	Remarks
	No.	Title			
163:57:12	101	Mission Common (GSE-GSE)		X	Power transfer external
	106	Descent (Deorbit-GSE)		X	
	504	Postlanding (Stoproll-GSE)		X	
	650	Cryogenic Heaters 1/2		X	
	701	Payload Interface		X	
	750	Mission 1 Peculiar		X	
		-EOM-			

TABLE D-II.- ACTIVITY BLOCK TIME LINE - BASELINE REFERENCE MISSION 2

g.e.t.	Activity block		On	Off	Remarks
	No.	Title			
000:00:00	101	Mission Common (GSE-GSE)	X		Lift-off
	102	Ascent (GSE-Insertion)	X		
	201	Ascent (GSE-MECO)	X		
	210	Prelaunch	X		
	501	APU (Ascent)	X		
	603	Heaters 2	X		
	650	Cryogenic Heaters 1/2	X		
	760	Mission 2 Peculiar	X		
000:00:01	210	Prelaunch		X	
000:08:28	201	Ascent (GSE-MECO)		X	MECO
	202	Ascent (MECO-Insertion)	X		
000:09:13	350	OMS (Insertion)	X		Insertion burn
000:10:31	102	Ascent (GSE-Insertion)		X	Insertion
	103	Orbital Common 1 (Ins-Deorbit)	X		
	202	Ascent (MECO-Insertion)		X	
	304	Postburn	X		
	305	RCS (Attitude Control)	X		
	350	OMS (Insertion)		X	
	401	Orbital Configuration 1	X		
	501	APU (Ascent)		X	
000:13:28	417	PLB Doors (Open)	X		Payload bay doors open
000:22:44	417	PLB Doors (Open)		X	
000:40:58	301	OMS (On Orbit)	X		Phasing maneuver

TABLE D-II.- ACTIVITY BLOCK TIME LINE - BASELINE REFERENCE MISSION 2
Continued

g.e.t.	Activity block		On	Off	Remarks
	No.	Title			
000:41:48	301	OMS (On Orbit)		X	Insertion + 1 hr
001:00:00	404	IMU Alignment	X		
001:10:31	104	Orbital Common 1 (Orb Conf-Deorbit Prep)	X		
	105	Orbital Modes	X		
	401	Orbital Configuration 1		X	
	402	Delta Day	X		
001:11:48	304	Postburn		X	Phasing maneuver + 30 min
001:25:00	404	IMU Alignment		X	
005:15:00	412	Eat	X		
006:15:00	412	Eat		X	Crew retire
	413	Waste Management	X		
	414	Sleep (Pre and Post)	X		
007:00:00	402	Delta Day		X	
	413	Waste Management		X	
	414	Sleep (Pre and Post)		X	
	601	Cabin Heaters	X		
015:00:00	402	Delta Day	X		Crew wake-up
	413	Waste Management	X		
	414	Sleep (Pre and Post)	X		
	601	Cabin Heaters		X	
015:30:00	414	Sleep (Pre and Post)		X	
015:45:00	412	Eat	X		
	413	Waste Management		X	

TABLE D-II.- ACTIVITY BLOCK TIME LINE - BASELINE REFERENCE MISSION 2
Continued

g.e.t.	Activity block		On	Off	Remarks
	No.	Title			
016:45:00	412	Eat		X	
017:00:00	404	IMU Alignment	X		
017:25:00	404	IMU Alignment		X	
019:01:52	301	OMS (On Orbit)	X		Height maneuver
019:04:21	301	OMS (On Orbit)		X	
	304	Postburn	X		
	405	Rendezvous	X		
019:47:16	301	OMS (On Orbit)	X		First coelliptic maneuver
019:49:43	301	OMS (On Orbit)		X	
020:00:00	413	Waste Management	X		
020:05:01	413	Waste Management		X	
020:19:43	304	Postburn		X	First coelliptic + 30 min
022:07:39	301	OMS (On Orbit)	X		Corrective combination
022:07:52	301	OMS (On Orbit)		X	
	304	Postburn	X		
022:44:39	301	OMS (On Orbit)	X		Second coelliptic maneuver
022:44:51	301	OMS (On Orbit)		X	
023:00:00	412	Eat	X		
023:48:42	301	OMS (On Orbit)	X		Terminal phase initiation
023:48:53	301	OMS (On Orbit)		X	
024:00:00	412	Eat		X	
	413	Waste Management	X		
024:19:00	303	RCS (Manual)	X		Braking

TABLE D-II.- ACTIVITY BLOCK TIME LINE - BASELINE REFERENCE MISSION 2
Continued

g.e.t.	Activity block		On	Off	Remarks
	No.	Title			
024:22:00	303	RCS (Manual)		X	
	405	Rendezvous		X	
024:22:01	403	Stationkeeping	X		
024:30:00	413	Waste Management		X	
024:40:00	403	Stationkeeping		X	
	406	Docking	X		
025:00:00	303	RCS (Manual)	X		
025:00:30	303	RCS (Manual)		X	
025:05:00	406	Docking		X	Docking
025:30:30	304	Postburn		X	
026:00:00	408	IVA	X		
029:15:00	408	IVA		X	
	412	Eat	X		Satellite servicing
030:15:00	412	Eat		X	
	413	Waste Management	X		
030:30:00	414	Sleep (Pre and Post)	X		
030:45:00	413	Waste Management		X	Crew retire
031:00:00	402	Delta Day		X	
	414	Sleep (Pre and Post)		X	
	601	Cabin Heaters	X		

TABLE D-II.- ACTIVITY BLOCK TIME LINE - BASELINE REFERENCE MISSION 2
Continued

g.e.t.	Activity block		On	Off	Remarks
	No.	Title			
039:00:00	402	Delta Day	X		Crew wake-up
	413	Waste Management	X		
	414	Sleep (Pre and Post)	X		
	601	Cabin Heaters		X	
039:30:00	413	Waste Management		X	
	414	Sleep (Pre and Post)		X	
039:45:00	412	Eat	X		Satellite servicing
040:45:00	408	IVA	X		
	412	Eat		X	
046:00:00	408	IVA		X	
	412	Eat	X		Undocking
047:00:00	412	Eat		X	
047:24:56	407	Undocking	X		
047:29:56	303	RCS (Manual)	X		
047:30:07	303	RCS (Manual)		X	
	304	Postburn	X		
	403	Stationkeeping	X		
	407	Undocking		X	
047:40:00	403	Stationkeeping		X	
048:00:00	404	IMU Alignment	X		
	413	Waste Management	X		
048:00:07	304	Postburn		X	

TABLE D-II.- ACTIVITY BLOCK TIME LINE - BASELINE REFERENCE MISSION 2
Continued

g.e.t.	Activity block		On	Off	Remarks
	No.	Title			
048:05:01	413	Waste Management		X	Orbital adjustment
048:25:00	404	IMU Alignment		X	
049:00:00	301	OMS (On Orbit)	X		
049:00:34	301	OMS (On Orbit)		X	
	304	Postburn	X		Circularization maneuver
049:48:11	301	OMS (On Orbit)	X		
049:48:48	301	OMS (On Orbit)		X	
050:18:48	304	Postburn		X	
051:00:00	408	IVA	X		Begin sortie operations
	701	Payload Interface	X		
	710	Payload Operations	X		
053:00:00	408	IVA		X	
	710	Payload Operations		X	Crew retire
053:15:00	412	Eat	X		
054:15:00	412	Eat		X	
	413	Waste Management	X		
054:30:00	414	Sleep (Pre and Post)	X		
054:45:00	413	Waste Management		X	
055:00:00	402	Delta Day		X	
	414	Sleep (Pre and Post)		X	
	601	Cabin Heaters	X		

TABLE D-II.- ACTIVITY BLOCK TIME LINE - BASELINE REFERENCE MISSION 2
Continued

g.e.t.	Activity block		On	Off	Remarks
	No.	Title			
063:00:00	402	Delta Day	X		Crew wake-up
	413	Waste Management	X		
	414	Sleep (Pre and Post)	X		
	601	Cabin Heaters		X	
063:30:00	413	Waste Management		X	
	414	Sleep (Pre and Post)		X	
063:45:00	412	Eat	X		
064:45:00	412	Eat		X	
065:00:00	404	IMU Alignment	X		
	710	Payload Operations	X		
065:25:00	404	IMU Alignment		X	
068:30:00	710	Payload Operations		X	
070:30:00	412	Eat	X		
071:30:00	412	Eat		X	
	413	Waste Management	X		
072:00:00	413	Waste Management		X	
076:15:00	411	TV (Crew)	X		
077:15:00	411	TV (Crew)		X	
	412	Eat	X		
078:15:00	412	Eat		X	
	413	Waste Management	X		
078:30:00	414	Sleep (Pre and Post)	X		
078:45:00	413	Waste Management		X	

TABLE D-II.- ACTIVITY BLOCK TIME LINE - BASELINE REFERENCE MISSION 2
Continued

g.e.t.	Activity block		On	Off	Remarks
	No.	Title			
079:00:00	402	Delta Day		X	Crew retire
	414	Sleep (Pre and Post)		X	
	601	Cabin Heaters	X		
087:00:00	402	Delta Day	X		Crew wake-up
	413	Waste Management	X		
	414	Sleep (Pre and Post)	X		
	601	Cabin Heaters		X	
087:30:00	413	Waste Management		X	
	414	Sleep (Pre and Post)		X	
087:45:00	412	Eat	X		
088:45:00	412	Eat		X	
089:00:00	404	IMU Alignment	X		
	710	Payload Operations	X		
089:25:00	404	IMU Alignment		X	
089:30:00	710	Payload Operations		X	
094:30:00	412	Eat	X		
095:30:00	412	Eat		X	
	413	Waste Management	X		
095:45:00	413	Waste Management		X	
101:15:00	412	Eat	X		
102:15:00	412	Eat		X	
	413	Waste Management	X		
102:30:00	414	Sleep (Pre and Post)	X		

TABLE D-II.- ACTIVITY BLOCK TIME LINE - BASELINE REFERENCE MISSION 2
Continued

g.e.t.	Activity block		On	Off	Remarks
	No.	Title			
102:45:00	413	Waste Management		X	Crew retire
103:00:00	402	Delta Day		X	
	414	Sleep (Pre and Post)		X	
	601	Cabin Heaters	X		Crew wake-up
111:00:00	402	Delta Day	X		
	413	Waste Management	X		
	414	Sleep (Pre and Post)	X		
	601	Cabin Heaters		X	
111:30:00	413	Waste Management		X	
	414	Sleep (Pre and Post)		X	
111:45:00	412	Eat	X		
112:45:00	412	Eat		X	
113:00:00	411	IMU Alignment	X		
	410	Payload Operations	X		
113:25:00	404	IMU Alignment		X	
113:30:00	710	Payload Operations		X	
118:30:00	412	Eat	X		
119:30:00	412	Eat		X	
	413	Waste Management	X		
119:45:00	413	Waste Management		X	
124:15:00	411	TV (Crew)	X		
125:15:00	411	TV (Crew)		X	
	412	Eat	X		

TABLE D-II.- ACTIVITY BLOCK TIME LINE - BASELINE REFERENCE MISSION 2
Continued

g.e.t.	Activity block		On	Off	Remarks
	No.	Title			
126:15:00	412	Eat		X	
	413	Waste Management	X		
126:30:00	414	Sleep (Pre and Post)	X		
126:45:00	413	Waste Management		X	
127:00:00	402	Delta Day		X	Crew retire
	414	Sleep (Pre and Post)		X	
	601	Cabin Heaters	X		
135:00:00	402	Delta Day	X		Crew wake-up
	413	Waste Management	X		
	414	Sleep (Pre and Post)	X		
	601	Cabin Heaters		X	
135:30:00	413	Waste Management		X	
	414	Sleep (Pre and Post)		X	
135:45:00	412	Eat	X		
136:45:00	412	Eat		X	
137:00:00	404	IMU Alignment	X		
	710	Payload Operations	X		
137:25:00	404	IMU Alignment		X	
137:30:00	710	Payload Operations		X	
142:30:00	412	Eat	X		
143:30:00	412	Eat		X	
	413	Waste Management	X		

TABLE D-II.- ACTIVITY BLOCK TIME LINE - BASELINE REFERENCE MISSION 2
Continued

g.e.t.	Activity block		On	Off	Remarks
	No.	Title			
143:35:01	413	Waste Management		X	End sortie operations
146:00:00	710	Payload Operations	X		
149:00:00	701	Payload Interface		X	
	710	Payload Operations		X	
149:15:00	412	Eat	X		Crew retire
150:15:00	412	Eat		X	
	413	Waste Management	X		
150:30:00	414	Sleep (Pre and Post)	X		
150:45:00	413	Waste Management		X	Crew wake-up
151:00:00	402	Delta Day		X	
	414	Sleep (Pre and Post)		X	
	601	Cabin Heaters	X		
159:00:00	402	Delta Day	X		
	413	Waste Management	X		
	414	Sleep (Pre and Post)	X		
	601	Cabin Heaters		X	
159:30:00	413	Waste Management		X	
	414	Sleep (Pre and Post)		X	
159:45:00	412	Eat	X		
160:45:00	412	Eat		X	
161:00:00	404	IMU Alignment	X		Begin payload closeout
	408	IVA	X		
	710	Payload Operations	X		

TABLE D-II.- ACTIVITY BLOCK TIME LINE - BASELINE REFERENCE MISSION 2
Continued

g.e.t.	Activity block		On	Off	Remarks
	No.	Title			
161:25:00	404	IMU Alignment		X	
161:54:29	418	PLB Doors (Close)	X		Payload bay doors close
161:58:00	408	IVA		X	
	710	Payload Operations		X	
161:59:29	418	PLB Doors (Close)		X	
163:27:55	104	Orbital Common 1 (Orb Conf-Deorbit Prep)		X	Deorbit minus 1 hr
	105	Orbital Modes		X	
	402	Delta Day		X	
	416	Deorbit Prep 1	X		
164:10:25	505	APU (Descent)	X		Deorbit minus 17.5 min
164:12:55	505	APU (Descent)		X	APU checkout complete
164:27:55	103	Orbital Common 1 (Ins-Deorbit)		X	Deorbit maneuver
	106	Descent (Deorbit-GSE)	X		
	107	Descent (Deorbit-Stoproll)	X		
	301	OMS (On Orbit)	X		
	305	RCS (Attitude Control)		X	
	416	Deorbit Prep 1		X	
	502	Descent (Deorbit-400K ft)	X		
164:31:10	301	OMS (On Orbit)		X	

TABLE D-II.- ACTIVITY BLOCK TIME LINE - BASELINE REFERENCE MISSION 2
Concluded

g.e.t.	Activity block		On	Off	Remarks
	No.	Title			
165:01:32	502	Descent (Deorbit-400K ft)		X	400,000 ft - entry inter- face
	503	Descent (400K ft- Stoproll)	X		
	505	APU (Descent)	X		
	603	Heaters 2		X	
165:34:02	107	Descent (Deorbit- Stoproll)		X	Stoproll
	503	Descent (400K ft- Stoproll)		X	
	504	Postlanding (Stoproll- GSE)	X		
164:35:02	505	APU (Descent)		X	Stoproll + 1 min
165:47:02	101	Mission Common (GSE-GSE)		X	Power transfer external
	106	Descent (Deorbit-GSE)		X	
	504	Postlanding (Stoproll- GSE)		X	
	650	Cryogenic Heaters 1/2		X	
	760	Mission 2 Peculiar		X	
		-EOM-			

TABLE D-III.- ACTIVITY BLOCK TIME LINE - BASELINE REFERENCE MISSION 3A

g.e.t.	Activity block		On	Off	Remarks
	No.	Title			
000:00:00	101	Mission Common (GSE-GSE)	X		Lift-off
	102	Ascent (GSE-Insertion)	X		
	201	Ascent (GSE-MECO)	X		
	210	Prelaunch	X		
	501	APU (Ascent)	X		
	604	Heaters 3A	X		
	651	Cryogenic Heaters 3A/3B	X		
	701	Payload Interface	X		
	730	Mission 3A Peculiar	X		
000:00:01	210	Prelaunch		X	
000:08:07	201	Ascent (GSE-MECO)		X	MECO
	202	Ascent (MECO-Insertion)	X		
000:08:30	302	RCS (Automatic)	X		ET jettison
000:08:38	302	RCS (Automatic)		X	
000:08:52	350	OMS (Insertion)	X		Insertion burn
000:12:02	102	Ascent (GSE-Insertion)		X	Insertion
	103	Orbital Common 1 (Ins-Deorbit)	X		
	160	Orbital Common 2 (Ins-Deorbit)	X		
	202	Ascent (MECO-Insertion)		X	
	305	RCS (Attitude Control)	X		
	350	OMS (Insertion)		X	
	460	Orbital Configuration 2	X		

PRECEDING PAGE BLANK NOT FILMED

TABLE D-III.- ACTIVITY BLOCK TIME LINE - BASELINE REFERENCE MISSION 3A
Continued

g.e.t.	Activity block		On	Off	Remarks
	No.	Title			
000:12:32	417	PLB Doors (Open)	X		Payload bay doors open
	702	Payload Deployment	X		
000:13:07	501	APU (Ascent)		X	MECO + 5 min
000:16:02	161	Orbital Common 2 (Orb Conf-Deorbit Prep)	X		Insertion + 4 min
	460	Orbital Configuration 2		X	
000:17:32	417	PLB Doors (Open)		X	
000:23:41	303	RCS (Manual)	X		Release payload
000:24:11	303	RCS (Manual)		X	
	403	Stationkeeping	X		
000:25:00	413	Waste Management	X		
	701	Payload Interface		X	
000:30:01	413	Waste Management		X	
000:30:13	161	Orbital Common 2 (Orb Conf-Deorbit Prep)		X	Deorbit minus 30 min
	461	Deorbit Prep 2	X		
000:42:43	505	APU (Descent)	X		Deorbit minus 17.5 min
000:45:13	505	APU (Descent)		X	APU checkout complete
000:46:02	303	RCS (Manual)	X		Separation maneuver
	403	Stationkeeping		X	
000:47:32	303	RCS (Manual)		X	
000:48:00	418	PLB Doors (Close)	X		Payload bay doors close
	702	Payload Deployment		X	
000:53:00	418	PLB Doors (Close)		X	

TABLE D-III.- ACTIVITY BLOCK TIME LINE - BASELINE REFERENCE MISSION 3A
Continued

g.e.t.	Activity block		On	Off	Remarks
	No.	Title			
001:00:13	103	Orbital Common 1 (Ins-Deorbit)		X	Deorbit maneuver
	106	Descent (Deorbit-GSE)	X		
	107	Descent (Deorbit-Stoproll)	X		
	160	Orbital Common 2 (Ins-Deorbit)		X	
	301	OMS (On Orbit)	X		
	305	RCS (Attitude Control)		X	
	461	Deorbit Prep 2		X	
	502	Descent (Deorbit-400K ft)	X		
001:01:19	301	OMS (On Orbit)		X	400,000 ft - entry interface
001:13:33	502	Descent (Deorbit-400K ft)		X	
	503	Descent (400K ft-Stoproll)	X		
	505	APU (Descent)	X		
	604	Heaters 3A		X	
001:46:40	107	Descent (Deorbit-Stoproll)		X	Stoproll
	503	Descent (400K ft-Stoproll)		X	
	504	Postlanding (Stoproll-GSE)	X		
001:47:40	505	APU (Descent)		X	Stoproll + 1 min
001:59:40	101	Mission Common (GSE-GSE)		X	Power transfer external
	106	Descent (Deorbit-GSE)		X	

TABLE D-III.- ACTIVITY BLOCK TIME LINE - BASELINE REFERENCE MISSION 3A
Concluded

g.e.t.	Activity block		On	Off	Remarks
	No.	Title			
001:59:40 (cont.)	504	Postlanding (Stoproll- GSE)		X	
	651	Cryogenic Heaters 3A/3B		X	
	750	Mission 3A Peculiar		X	
		-EOM-			

TABLE D-IV.- ACTIVITY BLOCK TIME LINE - BASELINE REFERENCE MISSION 3B

g.e.t.	Activity block		On	Off	Remarks
	No.	Title			
000:00:00	101	Mission Common (GSE-GSE)	X		Lift-off
	102	Ascent (GSE-Insertion)	X		
	201	Ascent (GSE-MECO)	X		
	210	Prelaunch	X		
	501	APU (Ascent)	X		
	605	Heaters 3R	X		
	651	Cryogenic Heaters 3A/3B	X		
	740	Mission 3B Peculiar	X		
000:00:01	210	Prelaunch		X	
000:08:34	201	Ascent (GSE-MECO)		X	MECO
	202	Ascent (MECO-Insertion)	X		
000:08:56	302	RCS (Automatic)	X		ET jettision
000:09:06	302	RCS (Automatic)		X	
000:09:19	350	OMS (Insertion)	X		Insertion burn
000:12:03	102	Ascent (GSE-Insertion)		X	Insertion
	103	Orbital Common 1 (Ins-Deorbit)	X		
	160	Orbital Common 2 (Ins-Deorbit)	X		
	202	Ascent (MECO-Insertion)		X	
	305	RCS (Attitude Control)	X		
	350	OMS (Insertion)		X	
	460	Orbital Configuration 2	X		
	417	PLB Doors (Open)	X		
000:12:33	417	PLB Doors (Open)	X		Payload bay doors open

TABLE D-IV.- ACTIVITY BLOCK TIME LINE - BASELINE REFERENCE MISSION 3B
Continued

g.e.t.	Activity block		On	Off	Remarks
	No.	Title			
000:13:34	501	APU (Ascent)		X	MECO + 5 min
000:14:33	405	Rendezvous	X		
000:16:03	161	Orbital Common 2 (Orb Conf-Deorbit Prep)	X		Insertion + 4 min
	460	Orbital Configuration 2		X	
000:17:33	417	PLB Doors (Open)		X	
000:18:03	303	RCS (Manual)	X		Begin terminal control
	403	Stationkeeping	X		
000:18:13	303	RCS (Manual)		X	
000:27:23	303	RCS (Manual)	X		Brake to 35 fps
000:27:33	303	RCS (Manual)		X	
000:28:17	303	RCS (Manual)	X		Brake to 30 fps
000:28:27	303	RCS (Manual)		X	
000:29:12	303	RCS (Manual)	X		Brake to 25 fps
000:29:22	303	RCS (Manual)		X	
000:30:00	703	Payload Retrieval	X		
000:30:06	303	RCS (Manual)	X		Brake to 20 fps
000:30:16	303	RCS (Manual)		X	
000:30:22	161	Orbital Common 2 (Orb Conf-Deorbit Prep)		X	Deorbit minus 30 min
	461	Deorbit Prep 2	X		
000:31:00	303	RCS (Manual)	X		Brake to 15 fps
000:31:10	303	RCS (Manual)		X	
000:31:57	303	RCS (Manual)	X		Brake to 10 fps

TABLE D-IV.- ACTIVITY BLOCK TIME LINE - BASELINE REFERENCE MISSION 3B
Continued

g.e.t.	Activity block		On	Off	Remarks
	No.	Title			
000:32:17	303	RCS (Manual)		X	Brake to stationkeeping
000:34:11	303	RCS (Manual)	X		
	405	Rendezvous		X	
000:34:21	303	RCS (Manual)		X	
000:42:52	505	APU (Descent)	X		Deorbit minus 17.5 min
000:45:22	505	APU (Descent)		X	APU checkout complete
000:49:55	418	PLB Doors (Close)	X		Payload bay doors close
000:50:00	403	Stationkeeping		X	
	413	Waste Management	X		
	703	Payload Retrieval		X	
000:54:55	418	PLB Doors (Close)		X	
000:55:01	413	Waste Management		X	
001:00:22	103	Orbital Common 1 (Ins-Deorbit)		X	Deorbit maneuver
	106	Descent (Deorbit-GSE)	X		
	107	Descent (Deorbit-Stoproll)	X		
	160	Orbital Common 2 (Ins-Deorbit)		X	
	301	OMS (On Orbit)	X		
	305	RCS (Attitude Control)		X	
	461	Deorbit Prep 2		X	
	502	Descent (Deorbit-400K ft)	X		
001:02:54	301	OMS (On Orbit)		X	

TABLE D-IV.- ACTIVITY BLOCK TIME LINE - BASELINE REFERENCE MISSION 3B
Concluded

g.e.t.	Activity block		On	Off	Remarks
	No.	Title			
001:13:18	502	Descent (Deorbit-400K ft)		X	400,000 ft - entry inter- face
	503	Descent (400K ft- Stoproll)	X		
	505	APU (Descent)	X		
	605	Heaters 3B		X	
001:47:45	107	Descent (Deorbit-Stoproll)		X	Stoproll
	503	Descent (400K ft-Stoproll)		X	
	504	Postlanding (Stoproll-GSE)	X		
001:48:45	505	APU (Descent)		X	Stoproll + 1 min
002:00:45	101	Mission Common (GSE-GSF)		X	Power transfer external
	106	Descent (Deorbit-GSE)		X	
	504	Postlanding (Stoproll-GSE)		X	
	651	Cryogenic Heaters 3A/3B		X	
	740	Mission 3B Peculiar		X	
		-EOM-			